

APPENDIX A

Data Tables

Table A-1. National Air Quality Trends Statistics for Criteria Pollutants, 1986–1995

Statistic	Units	# of Sites	Percentile	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Carbon Monoxide													
2nd Max. 8hr.	PPM	334	95th	12.4	12.0	11.3	11.4	10.5	9.9	8.6	8.1	8.1	7.8
"	"	"	90th	11.1	9.9	10.0	9.7	8.8	8.7	7.9	7.2	7.6	6.8
"	"	"	75th	8.9	8.3	7.8	7.8	7.1	7.0	6.4	5.8	6.1	5.5
"	"	"	50th	6.5	6.3	6.1	6.0	5.5	5.2	4.8	4.7	4.9	4.2
"	"	"	25th	4.8	4.6	4.3	4.4	4.2	3.8	3.7	3.6	3.7	3.2
"	"	"	10th	3.5	3.5	3.4	3.4	3.0	2.9	2.7	2.8	2.8	2.4
"	"	"	5th	2.9	2.9	2.8	2.7	2.5	2.3	2.3	2.2	2.1	2.1
"	"	"	Arith. Mean	7.1	6.7	6.4	6.3	5.9	5.6	5.2	4.9	5.0	4.5
Est. Exceedance	Number	334	Arith. Mean	2.1	1.5	1.2	1.2	0.7	0.5	0.3	0.1	0.2	0.1
Lead													
Max. Qtr.	ug/m ³	189	95th	0.43	0.43	0.30	0.23	0.26	0.19	0.15	0.16	0.14	0.13
"	"	"	90th	0.33	0.24	0.21	0.16	0.16	0.14	0.12	0.10	0.09	0.09
"	"	"	75th	0.21	0.15	0.12	0.10	0.08	0.05	0.06	0.05	0.05	0.05
"	"	"	50th	0.13	0.09	0.07	0.06	0.05	0.04	0.03	0.03	0.03	0.03
"	"	"	25th	0.09	0.06	0.05	0.04	0.03	0.02	0.02	0.02	0.01	0.01
"	"	"	10th	0.06	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
"	"	"	5th	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
"	"	"	Arith. Mean	0.18	0.16	0.11	0.11	0.08	0.08	0.05	0.05	0.04	0.04
Nitrogen Dioxide													
Arith. Mean	PPM	212	95th	0.047	0.043	0.047	0.044	0.041	0.043	0.039	0.038	0.041	0.039
"	"	"	90th	0.036	0.038	0.037	0.036	0.034	0.034	0.033	0.033	0.034	0.032
"	"	"	75th	0.027	0.028	0.028	0.027	0.026	0.025	0.025	0.025	0.025	0.024
"	"	"	50th	0.020	0.021	0.021	0.021	0.019	0.019	0.019	0.019	0.020	0.019
"	"	"	25th	0.014	0.014	0.014	0.013	0.012	0.012	0.012	0.012	0.012	0.012
"	"	"	10th	0.007	0.006	0.007	0.007	0.006	0.006	0.006	0.005	0.006	0.005
"	"	"	5th	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
"	"	"	Arith. Mean	0.022	0.021	0.022	0.021	0.020	0.020	0.019	0.019	0.020	0.019
Ozone													
2nd Max. 1hr.	PPM	573	95th	0.190	0.190	0.210	0.190	0.180	0.175	0.160	0.160	0.155	0.160
"	"	"	90th	0.160	0.167	0.181	0.155	0.150	0.150	0.133	0.140	0.134	0.140
"	"	"	75th	0.131	0.140	0.153	0.125	0.121	0.125	0.114	0.120	0.118	0.124
"	"	"	50th	0.114	0.119	0.129	0.108	0.107	0.108	0.100	0.105	0.105	0.111
"	"	"	25th	0.099	0.104	0.110	0.097	0.095	0.096	0.090	0.092	0.094	0.099
"	"	"	10th	0.089	0.090	0.096	0.086	0.084	0.083	0.083	0.080	0.083	0.085
"	"	"	5th	0.080	0.085	0.086	0.080	0.076	0.075	0.077	0.075	0.075	0.077
"	"	"	Arith. Mean	0.120	0.126	0.135	0.116	0.113	0.115	0.107	0.109	0.109	0.113
Est. Exceedance	Number	573	Arith. Mean	5.6	6.0	8.1	4.5	3.7	3.8	3.1	2.8	2.8	2.6

Table A-1. National Air Quality Trends Statistics for Criteria Pollutants, 1986–1995 (continued)

Statistic	Units	# of Sites	Percentile	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
PM-10													
Annual Avg.	ug/m ³	955	95th	—	—	52.4	52.3	46.4	45.9	42.0	41.5	39.9	39.3
"	"	"	90th	—	—	43.9	43.9	39.6	39.3	36.3	35.8	36.5	35.0
"	"	"	75th	—	—	37.6	36.7	34.2	33.4	31.0	30.0	30.4	29.2
"	"	"	50th	—	—	30.5	30.0	27.9	28.1	25.6	25.2	25.4	24.2
"	"	"	25th	—	—	25.5	25.3	23.2	23.5	21.8	20.9	21.0	19.9
"	"	"	10th	—	—	20.4	20.5	19.0	18.5	17.6	16.8	16.8	15.9
"	"	"	5th	—	—	17.2	17.5	16.3	15.1	14.1	13.4	13.1	12.5
"	"	"	Arith. Mean	—	—	32.1	31.9	29.4	29.1	26.7	26.0	26.1	25.0
Sulfur Dioxide													
Arith. Mean	PPM	473	95th	0.0181	0.0178	0.0187	0.0180	0.0163	0.0155	0.0144	0.0145	0.0135	0.0118
"	"	"	90th	0.0153	0.0152	0.0153	0.0150	0.0139	0.0131	0.0125	0.0123	0.0120	0.0103
"	"	"	75th	0.0122	0.0117	0.0116	0.0114	0.0106	0.0099	0.0096	0.0092	0.0090	0.0078
"	"	"	50th	0.0083	0.0083	0.0084	0.0081	0.0076	0.0076	0.0068	0.0067	0.0065	0.0052
"	"	"	25th	0.0054	0.0052	0.0053	0.0050	0.0045	0.0047	0.0042	0.0040	0.0037	0.0034
"	"	"	10th	0.0023	0.0022	0.0024	0.0024	0.0021	0.0021	0.0021	0.0023	0.0021	0.0010
"	"	"	5th	0.0015	0.0014	0.0016	0.0016	0.0015	0.0015	0.0014	0.0014	0.0015	0.0014
"	"	"	Arith. Mean	0.0090	0.0088	0.0089	0.0086	0.0080	0.0078	0.0073	0.0071	0.0069	0.0057
2nd Max. 24hr.	PPM	472	95th	0.1057	0.0897	0.0924	0.0920	0.0798	0.0706	0.0695	0.0683	0.0714	0.0573
"	"	"	90th	0.0802	0.0714	0.0721	0.0744	0.0641	0.0592	0.0569	0.0561	0.0573	0.0477
"	"	"	75th	0.0561	0.0525	0.0557	0.0523	0.0489	0.0450	0.0441	0.0416	0.0435	0.0336
"	"	"	50th	0.0397	0.0384	0.0403	0.0386	0.0340	0.0324	0.0309	0.0282	0.0317	0.0221
"	"	"	25th	0.0250	0.0242	0.0256	0.0237	0.0210	0.0208	0.0191	0.0187	0.0189	0.0153
"	"	"	10th	0.0115	0.0103	0.0134	0.0126	0.0103	0.0095	0.0099	0.0099	0.0084	0.0076
"	"	"	5th	0.0073	0.0061	0.0076	0.0073	0.0057	0.0069	0.0057	0.0053	0.0050	0.0046
"	"	"	Arith. Mean	0.0442	0.0415	0.0438	0.0416	0.0374	0.0343	0.0332	0.0320	0.0330	0.0260

Table A-2. National Carbon Monoxide Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	7,548	6,960	7,372	7,441	5,064	5,356	5,601	4,953	4,884	3,960
Electric Utilities	291	300	313	319	314	315	313	322	325	324
coal	208	217	229	231	233	233	235	245	246	248
oil	24	20	25	26	20	19	15	16	15	10
gas	48	53	48	51	51	51	51	49	53	55
internal combustion	11	10	11	11	11	12	11	12	12	11
Industrial	650	649	669	672	677	667	672	670	671	672
coal	87	85	87	87	86	72	80	77	80	81
oil	46	46	46	46	46	52	47	47	50	49
gas	242	252	265	271	276	274	276	276	273	273
other	172	171	173	173	171	170	170	170	170	170
internal combustion	103	96	98	96	98	99	99	99	98	98
Other	6,607	6,011	6,390	6,450	4,072	4,373	4,616	3,961	3,888	2,964
residential wood	6,316	5,719	6,086	6,161	3,781	4,090	4,332	3,679	3,607	2,683
other	291	292	303	288	291	283	283	283	281	281
INDUSTRIAL PROCESSES	7,067	6,851	7,034	7,013	6,914	6,815	6,909	7,009	7,160	7,439
Chemical & Allied Product Mfg.	1,853	1,798	1,917	1,925	1,940	1,944	1,964	1,998	2,048	2,237
Metals Processing	2,079	1,984	2,101	2,132	2,080	1,992	2,044	2,091	2,166	2,223
Petroleum & Related Industries	451	455	441	436	435	412	410	398	390	379
Other Industrial Processes	715	713	711	716	717	710	719	732	751	767
Solvent Utilization	2	2	2	2	2	2	2	2	2	2
Storage & Transport	51	50	56	55	55	54	55	56	58	65
Waste Disposal & Recycling	1,916	1,850	1,806	1,747	1,686	1,701	1,717	1,732	1,746	1,766
TRANSPORTATION	87,330	85,381	85,581	80,568	77,500	76,675	74,759	75,471	77,490	74,246
On-Road Vehicles	73,347	71,250	71,081	66,050	62,858	62,074	59,859	60,202	61,833	58,624
Non-Road Sources	13,984	14,131	14,500	14,518	14,642	14,601	14,900	15,269	15,657	15,622
MISCELLANEOUS	7,254	8,820	15,863	8,121	11,173	8,530	6,774	6,700	9,245	6,455
Structural Fires	242	242	242	242	242	242	242	242	242	242
Agricultural Fires	441	483	612	571	552	549	559	573	589	612
Prescribed Burning	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300
Forest Wildfires	2,271	3,795	10,709	3,009	6,079	3,439	1,674	1,586	4,115	1,301
TOTAL ALL SOURCES	109,199	108,012	115,849	103,144	100,650	97,376	94,043	94,133	98,779	92,099

Note: Some columns may not sum to totals due to rounding.

Table A-3. National Lead Emissions Estimates, 1986–1995 (short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	516	510	511	505	500	495	491	495	493	493
Electric Utilities	69	64	66	67	64	61	59	61	61	63
coal	50	48	46	46	46	46	47	49	49	49
oil	19	16	20	21	18	15	12	12	12	14
Industrial	25	22	19	18	18	18	18	19	18	17
Coal	17	14	14	14	14	15	14	14	14	14
Oil	8	8	5	4	3	3	4	5	4	3
Other	422	425	426	420	418	416	414	415	414	413
misc. fuel comb. (except res.)	400	400	400	400	400	400	400	400	400	400
residential other	11	14	16	12	10	9	7	8	8	6
other	11	10	10	8	8	7	7	7	6	7
INDUSTRIAL PROCESSES	2,972	3,004	3,090	3,161	3,278	3,081	2,734	2,869	2,957	2,914
Chemical & Allied Product Mfg.	108	123	136	136	136	132	93	92	96	80
Metals Processing	1,820	1,835	1,965	2,088	2,169	1,975	1,773	1,899	1,979	1,937
Other Industrial Processes	199	202	172	173	169	167	56	54	53	55
Waste Disposal & Recycling	844	844	817	765	804	807	812	824	829	842
TRANSPORTATION	3,808	3,343	2,911	2,368	1,888	1,704	1,637	1,580	1,577	1,578
On-Road Vehicles	3,589	3,121	2,700	2,161	1,690	1,519	1,444	1,401	1,388	1,387
Non-Road Sources	219	222	211	207	197	186	193	179	189	191
TOTAL ALL SOURCES	7,296	6,857	6,513	6,034	5,666	5,280	4,862	4,945	5,028	4,986

Note: Some columns may not sum to totals due to rounding.

Table A-4. National Nitrogen Oxides Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	10,668	10,897	11,457	11,552	11,483	11,382	11,421	11,696	11,631	10,077
Electric Utilities	6,909	7,128	7,530	7,607	7,516	7,488	7,475	7,773	7,698	6,233
coal	6,061	6,278	6,668	6,708	6,698	6,662	6,694	7,008	6,915	5,556
oil	246	204	260	272	210	201	160	169	153	87
gas	552	599	551	578	558	569	568	543	576	549
internal combustion	50	48	50	49	50	56	52	53	55	42
Industrial	3,065	3,063	3,187	3,209	3,256	3,175	3,216	3,197	3,206	3,137
coal	613	596	617	615	613	512	571	550	568	562
oil	300	292	296	294	297	338	305	306	318	302
gas	1,433	1,505	1,584	1,625	1,656	1,641	1,651	1,650	1,634	1,610
other	120	119	121	120	119	117	118	118	118	116
internal combustion	599	552	569	556	570	567	571	572	567	547
Other	694	706	740	736	712	719	730	726	727	707
commercial/institutional coal	36	37	39	38	39	39	38	38	38	36
commercial/institutional oil	110	121	117	106	99	98	101	102	102	98
commercial/institutional gas	139	144	157	159	164	164	166	167	168	166
misc. fuel comb. (except residential)	12	11	11	11	11	11	11	11	11	10
residential wood	77	69	74	75	46	50	53	45	44	33
residential other	320	323	343	347	352	358	361	363	364	364
INDUSTRIAL PROCESSES	872	841	860	852	851	837	853	866	888	872
Chemical & Allied Product Mfg.	264	255	274	273	276	278	284	286	291	283
Metals Processing	80	75	82	83	81	78	80	81	84	84
Petroleum & Related Industries	109	101	100	97	100	97	96	95	95	91
Other Industrial Processes	328	320	315	311	306	297	305	315	328	323
Solvent Utilization	3	3	3	3	2	2	3	3	3	3
Storage & Transport	2	2	2	2	2	2	3	3	3	3
Waste Disposal & Recycling	87	85	85	84	82	83	83	84	85	85
TRANSPORTATION	10,550	10,315	10,575	10,526	10,331	10,170	10,325	10,495	10,767	10,601
On-Road Vehicles	7,773	7,651	7,661	7,682	7,488	7,373	7,440	7,510	7,672	7,605
Non-Road Sources	2,777	2,664	2,914	2,844	2,843	2,796	2,885	2,985	3,095	2,996
MISCELLANEOUS	257	351	726	292	373	283	249	219	374	228
TOTAL ALL SOURCES	22,348	22,403	23,618	23,222	23,038	22,672	22,847	23,276	23,661	21,779

Note: Some columns may not sum to totals due to rounding.

Table A-5. National Volatile Organic Compounds Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	1,396	1,282	1,360	1,372	919	977	1,022	899	886	709
Electric Utilities	34	34	37	37	36	36	35	36	36	35
coal	24	25	27	27	27	27	27	29	29	29
oil	7	6	7	7	6	5	4	5	4	3
gas	2	2	2	2	2	2	2	2	2	2
internal combustion	1	1	1	1	1	1	1	1	1	1
Industrial	133	131	136	134	135	135	135	134	135	135
coal	7	7	7	7	7	6	7	7	7	7
oil	16	16	16	16	16	18	16	16	17	16
gas	57	57	61	61	61	61	61	61	61	61
other	36	36	36	36	35	36	35	35	36	36
internal combustion	16	15	15	15	15	15	15	15	15	15
Other	1,230	1,117	1,188	1,200	749	807	853	729	715	539
residential wood	1,199	1,085	1,155	1,169	718	776	822	698	684	509
other	31	32	33	31	31	30	31	30	30	30
INDUSTRIAL PROCESSES	12,138	12,329	12,736	12,630	12,637	12,538	12,701	12,851	13,054	13,352
Chemical & Allied Product Mfg.	1,412	1,410	1,513	1,506	1,526	1,533	1,546	1,557	1,577	1,617
Metals Processing	73	70	74	74	72	69	72	74	77	77
Petroleum & Related Industries	666	655	645	639	643	634	638	631	630	628
Other Industrial Processes	395	394	408	403	401	398	403	406	411	422
Solvent Utilization	5,626	5,743	5,945	5,964	5,975	5,918	6,031	6,156	6,313	6,394
Storage and Transport	1,673	1,801	1,842	1,753	1,759	1,720	1,745	1,757	1,773	1,803
Waste Disposal & Recycling	2,293	2,256	2,310	2,290	2,262	2,265	2,268	2,271	2,273	2,411
TRANSPORTATION	10,912	10,515	10,396	9,295	8,974	8,621	8,231	8,309	8,656	8,356
On-Road Vehicles	8,874	8,477	8,290	7,192	6,854	6,499	6,072	6,103	6,401	6,104
Non-Road Sources	2,039	2,038	2,106	2,103	2,120	2,122	2,159	2,206	2,255	2,252
MISCELLANEOUS	544	652	1,227	639	1,069	741	466	516	685	446
Other Combustion	543	651	1,226	638	1,068	740	465	515	684	445
structural fires	44	44	44	44	44	44	44	44	44	44
agricultural fires	61	67	85	79	77	76	78	79	82	85
prescribed burning	179	179	179	179	179	179	179	179	179	179
forest wildfires	259	361	918	335	768	440	164	212	379	137
Health Services	1	0	1	1	1	1	1	1	1	1
TOTAL ALL SOURCES	24,991	24,778	25,719	23,935	23,599	22,877	22,420	22,575	23,281	22,865

Note: Some columns may not sum to totals due to rounding.

Table A-6. National Particulate Matter (PM-10) Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	1,421	1,335	1,384	1,385	1,077	1,078	1,111	1,042	1,030	904
Electric Utilities	288	284	279	273	282	248	247	268	262	258
coal	273	271	264	258	269	234	236	255	248	248
oil	11	9	10	11	9	10	8	9	9	5
gas	1	1	1	1	1	1	1	1	1	1
internal combustion	3	3	3	3	3	4	3	3	3	3
Industrial	244	239	244	243	241	236	237	235	238	239
coal	71	67	70	70	69	57	64	62	64	65
oil	49	48	48	48	48	55	49	50	52	51
gas	45	44	45	44	45	44	44	44	43	43
other	77	78	79	78	77	77	77	77	77	77
internal combustion	3	3	3	3	3	3	3	3	3	3
Other	889	812	862	869	553	594	626	540	530	408
residential wood	837	758	807	817	501	542	574	488	478	356
other	51	54	55	52	52	51	52	52	52	52
INDUSTRIAL PROCESSES	947	923	931	915	902	883	896	912	934	946
Chemical & Allied Product Mfg.	59	58	62	63	63	62	64	64	65	66
Metals Processing	132	126	136	137	136	130	133	136	141	145
Petroleum & Related Industries	31	31	30	29	29	28	28	27	27	26
Other Industrial Processes	390	384	386	378	374	362	368	377	391	393
Solvent Utilization	2	2	2	2	2	2	2	2	2	2
Storage and Transport	58	56	56	56	57	55	56	57	59	60
Waste Disposal & Recycling	274	265	259	251	242	244	246	248	251	253
TRANSPORTATION	729	710	756	739	729	717	722	715	732	697
On-Road Vehicles	356	360	369	367	357	349	343	321	320	304
Non-Road Sources	372	350	387	372	372	367	379	395	411	393
TOTAL ALL SOURCES	3,096	2,968	3,071	3,039	2,708	2,677	2,729	2,669	2,696	2,547

Table A-7. Miscellaneous and Natural Source PM-10 Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MISCELLANEOUS	37,056	37,432	39,423	37,440	36,267	36,136	36,367	37,905	39,332	37,925
Agriculture & Forestry	7,183	7,326	7,453	7,320	7,364	7,332	7,223	7,231	7,121	8,389
Other Combustion	798	967	1,683	891	1,178	921	760	743	1,017	727
wildfires	226	389	1,086	300	590	333	171	152	424	130
managed burning	513	519	538	532	529	529	530	532	535	538
other	59	59	59	59	59	59	59	59	59	59
Fugitive Dust	29,075	29,139	30,287	29,229	27,725	27,883	28,384	29,930	31,194	28,809
unpaved roads	11,673	11,110	12,379	11,798	11,338	11,873	11,540	12,482	12,043	11,997
paved roads	5,262	5,530	5,900	5,769	5,992	5,969	5,942	6,095	6,380	6,468
other	12,139	12,499	12,008	11,662	10,396	10,042	10,901	11,353	12,771	10,343
NAT. SOURCES (wind erosion)	10,324	1,577	18,110	12,101	4,362	10,095	4,626	1,978	2,593	2,163
TOTAL ALL SOURCES	47,380	39,008	57,534	49,542	40,629	46,231	40,994	39,883	41,925	40,089

Note: Some columns may not sum to totals due to rounding.

Table A-8. National Sulfur Dioxide Emissions Estimates, 1986–1995 (thousand short tons)

Source Category	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FUEL COMBUSTION	19,428	19,445	19,761	19,927	19,598	19,295	19,019	18,732	18,420	15,658
Electric Utilities	15,701	15,715	15,990	16,218	15,898	15,788	15,418	15,191	14,792	12,013
coal	14,860	15,034	15,224	15,408	15,227	15,101	14,840	14,546	14,236	11,561
oil	811	651	734	779	639	652	546	612	522	412
gas	1	1	1	1	1	1	1	1	1	8
internal combustion	30	29	31	30	31	35	32	32	34	31
Industrial	3,116	3,068	3,111	3,086	3,106	2,915	3,002	2,942	3,029	3,046
coal	1,828	1,817	1,856	1,840	1,843	1,547	1,722	1,661	1,715	1,743
oil	828	807	806	812	823	935	845	848	882	873
gas	370	356	360	346	352	348	348	346	345	343
other	84	82	83	82	82	79	81	80	80	81
internal combustion	6	6	6	6	6	6	6	6	6	6
Other	611	662	660	624	595	592	599	599	599	599
commercial/institutional coal	161	164	172	169	176	175	173	171	169	168
commercial/institutional oil	267	310	295	274	233	232	238	241	242	248
commercial/institutional gas	2	2	2	2	2	2	2	2	2	2
misc. fuel comb. (except residential)	1	1	1	1	1	1	1	1	1	1
residential wood	11	10	11	11	7	7	8	6	6	5
residential other	169	175	180	167	175	176	177	178	177	176
INDUSTRIAL PROCESSES	2,256	1,976	2,052	2,010	1,985	1,928	1,957	1,982	2,029	2,057
Chemical & Allied Product Mfg.	432	425	449	440	440	440	447	450	457	471
Metals Processing	888	648	707	695	663	633	650	667	692	720
Petroleum & Related Industries	469	445	443	429	440	422	417	409	406	385
Other Industrial Processes	427	418	411	405	401	391	401	413	431	438
Solvent Utilization	1	1	1	1	1	1	1	1	1	1
Storage and Transport	4	4	5	5	5	5	5	5	5	5
Waste Disposal & Recycling	35	35	36	36	36	36	37	37	37	37
TRANSPORTATION	748	771	806	837	836	836	851	795	584	596
On-Road Vehicles	527	538	553	570	571	570	578	517	301	304
Non-Road Sources	221	233	253	267	265	266	273	278	283	292
MISCELLANEOUS	9	13	27	10	14	10	9	8	14	8
TOTAL ALL SOURCES	22,442	22,204	22,647	22,785	22,433	22,068	21,836	21,517	21,047	18,319

Note: Some columns may not sum to totals due to rounding.

Table A-9. National Long-Term Air Quality Trends, 1976–1995

Year	CO 2nd Max. 8hr. ppm	NO ₂ Arith. Mean ppm	Ozone 2nd Max. 1hr. ppm	Pb Max. Qtr. ug/m ³	PM-10 Wtd. Arith. Mean ug/m ³	SO ₂ Arith. Mean ppm
1976-85	(147 sites)	(48 sites)	(149 sites)	(78 sites)	—	(196 sites)
1976	11.6	0.0285	0.152	1.525	—	0.0147
1977	11.1	0.0280	0.153	1.571	—	0.0133
1978	10.5	0.0298	0.158	1.465	—	0.0127
1979	10.1	0.0294	0.138	1.214	—	0.0122
1980	9.3	0.0271	0.141	0.843	—	0.0110
1981	9.0	0.0261	0.129	0.696	—	0.0104
1982	8.2	0.0247	0.126	0.547	—	0.0097
1983	8.2	0.0245	0.141	0.428	—	0.0093
1984	8.1	0.0252	0.126	0.380	—	0.0094
1985	7.3	0.0249	0.124	0.266	—	0.0088
1986-95	(334 sites)	(212 sites)	(573 sites)	(189 sites)	(955 sites)	(473 sites)
1986	7.1	0.0216	0.120	0.184	—	0.0090
1987	6.7	0.0214	0.126	0.164	—	0.0088
1988	6.4	0.0218	0.135	0.108	32.1	0.0089
1989	6.3	0.0213	0.116	0.083	32.0	0.0086
1990	5.9	0.0201	0.113	0.083	29.4	0.0080
1991	5.6	0.0199	0.114	0.062	29.1	0.0078
1992	5.2	0.0193	0.107	0.053	26.7	0.0073
1993	4.9	0.0189	0.109	0.048	26.0	0.0071
1994	5.0	0.0197	0.109	0.045	26.1	0.0068
1995	4.5	0.0188	0.113	0.043	25.0	0.0057

Table A-10. National Air Quality Trends Statistics by Monitoring Location, 1986–1995

Statistic	Units	# of Sites	Location	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Carbon Monoxide													
2nd Max. 8hr.	ppm	9	Rural	4.2	3.8	3.3	3.0	2.8	2.6	2.5	2.2	2.5	2.3
"	"	139	Suburban	6.3	6.2	5.8	5.9	5.4	5.1	4.8	4.7	4.8	4.2
"	"	183	Urban	7.8	7.2	6.9	6.9	6.4	6.1	5.5	5.1	5.3	4.8
Lead													
Max. Qtr.	ug/m ³	4	Rural	0.080	0.050	0.030	0.030	0.030	0.020	0.020	0.020	0.010	0.010
"	"	94	Suburban	0.160	0.130	0.090	0.060	0.070	0.060	0.040	0.040	0.040	0.040
"	"	90	Urban	0.220	0.200	0.130	0.090	0.100	0.070	0.060	0.050	0.050	0.050
Nitrogen Dioxide													
Arith. Mean	ppm	44	Rural	0.0080	0.0079	0.0080	0.0790	0.0076	0.0076	0.0073	0.0070	0.0074	0.0068
"	"	92	Suburban	0.0230	0.0231	0.0237	0.0233	0.0219	0.0218	0.0209	0.0205	0.0212	0.0206
"	"	73	Urban	0.0280	0.0275	0.0277	0.0268	0.0253	0.0250	0.0245	0.0242	0.0253	0.0239
Ozone													
2nd Max. 1hr.	ppm	174	Rural	0.1125	0.1157	0.1261	0.1110	0.1089	0.1069	0.1023	0.1054	0.1038	0.1082
"	"	267	Suburban	0.1248	0.1310	0.1418	0.1203	0.1171	0.1200	0.1106	0.1130	0.1126	0.1172
"	"	114	Urban	0.1208	0.1266	0.1341	0.1147	0.1099	0.1119	0.1033	0.1044	0.1060	0.1095
PM-10													
Wtd. Arith. Mean	ug/m ³	127	Rural	—	—	25.01	25.34	23.62	22.79	21.23	19.77	20.09	19.23
"	"	378	Suburban	—	—	33.06	32.63	30.13	29.75	27.51	26.79	26.80	25.92
"	"	428	Urban	—	—	33.50	33.34	30.60	30.56	27.87	27.24	27.33	25.98
Sulfur Dioxide													
Arith. Mean	ppm	130	Rural	0.0071	0.0072	0.0072	0.0070	0.0067	0.0066	0.0063	0.0064	0.0061	0.0055
"	"	191	Suburban	0.0095	0.0092	0.0093	0.0089	0.0083	0.0080	0.0074	0.0073	0.0070	0.0057
"	"	143	Urban	0.0103	0.0100	0.0102	0.0100	0.0091	0.0087	0.0080	0.0077	0.0075	0.0061

Table A-11. Maximum Air Quality Concentrations by County, 1995

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
1 AL	CALHOUN CO	116,034	.	.	.	.	62	.
2 AL	CLAY CO	13,252	.	.	.	0.117	.	.
3 AL	COLBERT CO	51,666	.	.	.	0.081	49	47
4 AL	DE KALB CO	54,651	.	.	.	.	68	.
5 AL	ELMORE CO	49,210	.	.	.	0.102	.	.
6 AL	ESCAMBIA CO	35,518	.	.	.	.	51	.
7 AL	ETOWAH CO	99,840	.	0.06	.	.	63	.
8 AL	FRANKLIN CO	27,814	.	.	.	.	45	.
9 AL	GENEVA CO	23,647	.	.	.	0.087	.	.
10 AL	HOUSTON CO	81,331	.	.	.	.	56	.
11 AL	JACKSON CO	47,796	.	.	.	.	52	58
12 AL	JEFFERSON CO	651,525	6.7	0.09	.	0.132	95	43
13 AL	LAWRENCE CO	31,513	.	.	.	0.098	.	.
14 AL	MADISON CO	238,912	3.6	.	.	0.102	61	.
15 AL	MARENGO CO	23,084	.	.	.	.	37	.
16 AL	MOBILE CO	378,643	.	.	.	0.108	67	140
17 AL	MONTGOMERY CO	209,085	1	.	0.0112	0.092	58	46
18 AL	MORGAN CO	100,043	.	.	.	.	52	.
19 AL	PIKE CO	27,595	.	0.51	.	.	49	.
20 AL	RUSSELL CO	46,860	.	.	.	.	54	.
21 AL	SHELBY CO	99,358	.	.	0.0114	0.129	52	.
22 AL	SUMTER CO	16,174	.	.	.	0.086	.	.
23 AL	TALLADEGA CO	74,107	.	.	.	.	64	.
24 AL	TUSCALOOSA CO	150,522	.	.	.	.	63	.
25 AL	WALKER CO	67,670	.	.	.	.	53	.
26 AK	ANCHORAGE BOROUGH	226,338	8.4	.	.	.	192	.
27 AK	FAIRBANKS NORTH STAR BOROUGH	77,720	11.8	.	.	.	87	.
28 AK	JUNEAU BOROUGH	26,751	.	.	.	.	88	.
29 AK	KETCHIKAN GATEWAY BOROUGH	13,828	.	.	.	.	86	.
30 AK	YUKON-KOYUKUK CA	8,478	.	.	.	0.059	.	.
31 AZ	COCHISE CO	97,624	.	.	.	.	77	.
32 AZ	COCONINO CO	96,591	.	.	.	0.075	32	.
33 AZ	GILA CO	40,216	.	.	.	.	90	.
34 AZ	GRAHAM CO	26,554	.	.	.	.	87	.
35 AZ	MARICOPA CO	2,122,101	9.9	0.06	0.0326	0.13	160	21
36 AZ	NAVAJO CO	77,658	.	.	.	.	22	.
37 AZ	PIMA CO	666,880	5.9	0.02	0.0203	0.105	106	10
38 AZ	PINAL CO	116,379	.	.	.	.	52	.
39 AZ	SANTA CRUZ CO	29,676	.	.	.	.	59	.
40 AZ	YAVAPAI CO	107,714	.	.	.	.	23	.
41 AZ	YUMA CO	106,895	.	.	.	0.093	68	.
42 AR	ARKANSAS CO	21,653	.	.	.	.	72	.
43 AR	ASHLEY CO	24,319	.	.	.	.	58	.
44 AR	CRAIGHEAD CO	68,956	.	.	.	.	69	.
45 AR	CRITTENDEN CO	49,939	.	.	.	0.14	57	.
46 AR	GARLAND CO	73,397	.	.	.	.	53	.
47 AR	JEFFERSON CO	85,487	.	.	.	.	62	.
48 AR	MARION CO	12,001	.	.	.	.	42	.
49 AR	MILLER CO	38,467	.	.	.	.	55	.
50 AR	MONTGOMERY CO	7,841	.	.	.	0.08	.	.
51 AR	NEWTON CO	7,666	.	.	.	0.078	.	.
52 AR	OUACHITA CO	30,574	.	.	.	.	45	.
53 AR	PHILLIPS CO	28,838	.	.	.	.	51	.
54 AR	POLK CO	17,347	.	.	.	.	49	.
55 AR	POPE CO	45,883	.	.	.	.	48	.
56 AR	PULASKI CO	349,660	3.7	.	0.0108	0.111	67	20
57 AR	SEBASTIAN CO	99,590	.	.	.	.	56	.
58 AR	UNION CO	46,719	.	.	.	.	52	72
59 AR	WASHINGTON CO	113,409	.	.	.	.	46	.
60 AR	WHITE CO	54,676	.	.	.	.	59	.
61 CA	ALAMEDA CO	1,279,182	3.7	0.01	0.0211	0.149	52	.
62 CA	AMADOR CO	30,039	2.2	.	.	0.123	.	.
63 CA	BUTTE CO	182,120	4.7	0	0.0141	0.091	60	.
64 CA	CALAVERAS CO	31,998	1.3	.	.	0.113	57	.
65 CA	COLUSA CO	16,275	.	.	.	0.103	171	.
66 CA	CONTRA COSTA CO	803,732	2.7	0.05	0.0189	0.147	72	20
67 CA	DEL NORTE CO	23,460	.	.	.	0.051	40	.
68 CA	EL DORADO CO	125,995	5.3	.	0.0114	0.121	64	.
69 CA	FRESNO CO	667,490	8.3	0	0.0225	0.15	120	26
70 CA	GLENN CO	24,798	.	.	.	0.092	75	.
71 CA	HUMBOLDT CO	119,118	.	.	.	.	47	.
72 CA	IMPERIAL CO	109,303	19.7	0.04	0.0158	0.205	170	45

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
73	CA INYO CO	18,281	1.8	.	.	0.071	337	.
74	CA KERN CO	543,477	4.9	0	0.0286	0.166	160	28
75	CA KINGS CO	101,469	.	.	0.015	0.095	170	.
76	CA LAKE CO	50,631	.	.	.	0.07	22	.
77	CA LOS ANGELES CO	8,863,164	11.6	0.06	0.0462	0.214	156	31
78	CA MADERA CO	88,090	.	.	.	0.113	100	.
79	CA MARIN CO	230,096	2.9	.	0.0176	0.084	48	.
80	CA MARIPOSA CO	14,302	.	.	.	0.108	65	.
81	CA MENDOCINO CO	80,345	1	.	0.0094	0.073	51	.
82	CA MERCED CO	178,403	.	.	0.0118	0.13	89	.
83	CA MODOC CO	9,678	.	.	.	.	78	.
84	CA MONO CO	9,956	3.9	.	.	0.11	79	.
85	CA MONTEREY CO	355,660	1.9	.	0.0105	0.08	47	.
86	CA NAPA CO	110,765	3.3	.	0.014	0.112	46	.
87	CA NEVADA CO	78,510	.	.	.	0.099	84	.
88	CA ORANGE CO	2,410,556	7.3	0.04	0.0393	0.131	144	14
89	CA PLACER CO	172,796	2.6	0	0.0174	0.145	53	.
90	CA PLUMAS CO	19,739	.	.	.	0.092	64	.
91	CA RIVERSIDE CO	1,170,413	5.8	0.04	0.0298	0.2	236	11
92	CA SACRAMENTO CO	1,041,219	6.5	0.03	0.0218	0.154	80	14
93	CA SAN BENITO CO	36,697	.	.	.	0.094	38	.
94	CA SAN BERNARDINO CO	1,418,380	5.9	0.04	0.046	0.234	158	22
95	CA SAN DIEGO CO	2,498,016	5.5	0.03	0.0257	0.144	118	40
96	CA SAN FRANCISCO CO	723,959	5	0.01	0.021	0.083	48	13
97	CA SAN JOAQUIN CO	480,628	5.2	0	0.0219	0.128	127	.
98	CA SAN LUIS OBISPO CO	217,162	2.4	.	0.0126	0.104	97	75
99	CA SAN MATEO CO	649,623	3.5	.	0.019	0.116	42	.
100	CA SANTA BARBARA CO	369,608	4.9	0	0.021	0.13	64	14
101	CA SANTA CLARA CO	1,497,577	5.8	0.02	0.0266	0.135	62	.
102	CA SANTA CRUZ CO	229,734	1	.	0.005	0.085	85	20
103	CA SHASTA CO	147,036	.	.	.	0.095	47	.
104	CA SIERRA CO	3,318	.	.	.	.	56	.
105	CA SISKIYOU CO	43,531	.	.	.	0.07	45	.
106	CA SOLANO CO	340,421	5.1	.	0.015	0.113	51	18
107	CA SONOMA CO	388,222	2.4	.	0.0148	0.088	46	.
108	CA STANISLAUS CO	370,522	5.4	0	0.0216	0.125	111	.
109	CA SUTTER CO	64,415	4.1	.	0.0135	0.112	110	.
110	CA TEHAMA CO	49,625	.	.	.	0.11	56	.
111	CA TRINITY CO	13,063	.	.	.	.	37	.
112	CA TULARE CO	311,921	4.2	.	0.0233	0.125	120	.
113	CA TUOLUMNE CO	48,456	2.6	.	.	0.103	.	.
114	CA VENTURA CO	669,016	3.9	0	0.0241	0.156	73	7
115	CA YOLO CO	141,092	2.9	.	.	0.108	120	.
116	CO ADAMS CO	265,038	5.1	0.05	0.0225	0.09	97	34
117	CO ALAMOSA CO	13,617	.	.	.	.	125	.
118	CO ARAPAHOE CO	391,511	2.1	.	0.026	0.087	33	.
119	CO ARCHULETA CO	5,345	.	.	.	.	97	.
120	CO BOULDER CO	225,339	5.2	.	.	0.095	61	.
121	CO DELTA CO	20,980	.	.	.	.	69	.
122	CO DENVER CO	467,610	9.5	0.09	0.0348	0.098	80	49
123	CO DOUGLAS CO	60,391	.	.	.	0.098	32	.
124	CO EAGLE CO	21,928	.	.	.	.	39	.
125	CO EL PASO CO	397,014	5.5	0.01	.	0.081	72	.
126	CO FREMONT CO	32,273	.	.	.	.	64	.
127	CO GARFIELD CO	29,974	.	.	.	.	72	.
128	CO GUNNISON CO	10,273	.	.	.	.	96	.
129	CO JEFFERSON CO	438,430	4.6	.	0.01	0.102	57	.
130	CO LAKE CO	6,007	.	0	.	.	.	.
131	CO LA PLATA CO	32,284	.	.	.	.	40	.
132	CO LARIMER CO	186,136	5.2	.	.	0.083	47	.
133	CO MESA CO	93,145	5.4	.	.	.	48	.
134	CO MONTEZUMA CO	18,672	.	0	.	0.056	.	.
135	CO MONROSE CO	24,423	.	.	.	.	32	.
136	CO PITKIN CO	12,661	.	.	.	.	83	.
137	CO PROWERS CO	13,347	.	.	.	.	132	.
138	CO PUEBLO CO	123,051	.	.	.	.	86	.
139	CO ROUTT CO	14,088	.	.	.	.	135	.
140	CO SAN MIGUEL CO	3,653	.	.	.	.	103	.
141	CO SUMMIT CO	12,881	.	.	.	.	72	.
142	CO TELLER CO	12,468	.	.	.	.	266	.
143	CO WELD CO	131,821	5.3	.	.	0.093	59	.
144	CT FAIRFIELD CO	827,645	5.4	0.02	0.0243	0.141	76	90

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
145	CT HARTFORD CO	851,783	7	0.03	0.0165	0.128	45	61
146	CT LITCHFIELD CO	174,092	.	.	.	0.119	36	.
147	CT MIDDLESEX CO	143,196	.	.	.	0.154	40	.
148	CT NEW HAVEN CO	804,219	3.7	0.06	0.0251	0.165	76	100
149	CT NEW LONDON CO	254,957	.	.	.	0.14	47	46
150	CT TOLLAND CO	128,699	.	.	0.0077	0.127	.	36
151	CT WINDHAM CO	102,525	.	.	.	.	38	.
152	DE KENT CO	110,993	.	.	.	0.137	.	.
153	DE NEW CASTLE CO	441,946	4.6	.	0.0173	0.141	76	258
154	DE SUSSEX CO	113,229	.	.	.	0.11	62	66
155	DC WASHINGTON	606,900	6.2	.	0.0248	0.125	74	59
156	FL ALACHUA CO	181,596	.	.	.	.	38	.
157	FL BAY CO	126,994	.	.	.	.	58	.
158	FL BREVARD CO	398,978	.	.	.	0.084	30	.
159	FL BROWARD CO	1,255,488	6.7	0.02	0.0107	0.103	48	22
160	FL COLLIER CO	152,099	.	.	.	.	34	.
161	FL DADE CO	1,937,094	5.1	0.01	0.0148	0.106	54	11
162	FL DUVAL CO	672,971	4.6	0.03	0.0157	0.124	61	32
163	FL ESCAMBIA CO	262,798	.	.	.	0.12	54	70
164	FL GULF CO	11,504	.	.	.	.	47	.
165	FL HAMILTON CO	10,930	.	.	.	.	48	91
166	FL HILLSBOROUGH CO	834,054	5	2.25	0.0114	0.109	77	159
167	FL LEE CO	335,113	.	.	.	0.088	30	.
168	FL LEON CO	192,493	.	.	.	0.096	.	.
169	FL MANATEE CO	211,707	.	.	.	0.092	40	.
170	FL NASSAU CO	43,941	.	.	.	.	43	148
171	FL ORANGE CO	677,491	3.9	0	0.0101	0.104	41	16
172	FL OSCEOLA CO	107,728	.	.	.	0.091	.	.
173	FL PALM BEACH CO	863,518	3.9	0	0.0117	0.087	37	49
174	FL PASCO CO	281,131	.	.	.	0.092	.	.
175	FL PINELLAS CO	851,659	3.2	0	0.0115	0.086	48	90
176	FL POLK CO	405,382	.	.	.	0.09	40	38
177	FL PUTNAM CO	65,070	.	.	.	.	39	61
178	FL ST JOHNS CO	83,829	.	.	.	0.091	.	.
179	FL ST LUCIE CO	150,171	.	.	.	0.07	.	.
180	FL SARASOTA CO	277,776	5.9	.	.	0.099	60	31
181	FL SEMINOLE CO	287,529	.	.	.	0.093	34	.
182	FL VOLUSIA CO	370,712	.	.	.	0.091	38	.
183	GA BALDWIN CO	39,530	.	.	.	.	34	.
184	GA BARTOW CO	55,911	.	.	.	.	41	.
185	GA CHATHAM CO	216,935	.	.	.	0.089	.	60
186	GA CHATTOOGA CO	22,242	.	.	.	.	80	.
187	GA DE KALB CO	545,837	4.5	0.03	0.0156	0.147	51	.
188	GA DOUGHERTY CO	96,311	.	.	.	.	17	.
189	GA DOUGLAS CO	71,120	.	.	.	0.14	.	.
190	GA ELBERT CO	18,949	.	.	.	.	45	.
191	GA FANNIN CO	15,992	.	.	.	0.093	.	42
192	GA FLOYD CO	81,251	.	.	.	.	36	.
193	GA FULTON CO	648,951	5.2	0.07	0.0189	0.145	58	56
194	GA GLYNN CO	62,496	.	.	.	0.08	.	.
195	GA GWINNETT CO	352,910	.	.	.	0.123	.	.
196	GA MUSCOWEE CO	179,278	.	0.78	.	0.113	41	.
197	GA RICHMOND CO	189,719	.	.	.	0.118	.	.
198	GA ROCKDALE CO	54,091	.	.	0.0064	0.146	.	.
199	GA SPALDING CO	54,457	.	.	.	.	48	.
200	GA WASHINGTON CO	19,112	.	.	.	.	74	.
201	HI HAWAII CO	120,317	.	.	.	0.05	.	.
202	HI HONOLULU CO	836,231	2.7	0.01	0.0044	0.056	45	23
203	HI KAUAI CO	51,177	.	.	.	.	34	.
204	HI MAUI CO	100,374	.	.	.	0.055	.	.
205	ID ADA CO	205,775	6.4	.	0.0143	.	95	.
206	ID BANNOCK CO	66,026	.	.	.	.	91	96
207	ID BLAINE CO	13,552	.	.	.	.	38	.
208	ID BONNER CO	26,622	.	.	.	.	79	.
209	ID BONNEVILLE CO	72,207	.	.	.	.	51	.
210	ID BUTTE CO	2,918	.	.	.	0.062	.	.
211	ID CANYON CO	90,076	.	.	.	.	79	.
212	ID CARIBOU CO	6,963	.	.	.	.	65	.
213	ID KOOTENAI CO	69,795	.	.	.	.	70	.
214	ID LEMHI CO	6,899	.	.	.	.	78	.
215	ID LEWIS CO	3,516	.	.	.	.	81	.
216	ID MADISON CO	23,674	.	.	.	.	72	.

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
217	ID MINIDOKA CO	19,361	.	.	.	.	49	.
218	ID NEZ PERCE CO	33,754	6.3	0.18	.	.	63	.
219	ID SHOSHONE CO	13,931	.	.	.	.	112	.
220	ID TWIN FALLS CO	53,580	.	.	.	.	58	.
221	IL ADAMS CO	66,090	.	.	.	0.087	60	80
222	IL CHAMPAIGN CO	173,025	.	.	.	0.095	50	28
223	IL COLES CO	51,644	.	.	.	.	42	.
224	IL COOK CO	5,105,067	5.1	0.99	0.0322	0.14	112	101
225	IL DU PAGE CO	781,666	.	0.09	.	0.104	62	45
226	IL EFFINGHAM CO	31,704	.	.	.	0.095	.	.
227	IL JACKSON CO	61,067	.	.	.	.	53	.
228	IL JERSEY CO	20,539	.	.	.	0.113	.	.
229	IL KANE CO	317,471	.	.	.	0.117	.	.
230	IL LAKE CO	516,418	.	.	0.008	0.116	.	.
231	IL LA SALLE CO	106,913	.	.	.	.	107	.
232	IL MC HENRY CO	183,241	.	.	.	0.113	.	.
233	IL MACON CO	117,206	.	0.03	.	0.097	58	63
234	IL MACOUPIN CO	47,679	0.8	0.01	.	0.106	42	28
235	IL MADISON CO	249,238	4.3	5.18	.	0.134	106	218
236	IL PEORIA CO	182,827	5.6	0.03	.	0.099	42	153
237	IL RANDOLPH CO	34,583	.	.	.	0.108	142	117
238	IL ROCK ISLAND CO	148,723	.	0.01	.	0.085	52	27
239	IL ST CLAIR CO	262,852	.	0.1	0.0214	0.122	71	153
240	IL SANGAMON CO	178,386	3.2	.	.	0.1	43	162
241	IL TAZEWELL CO	123,692	.	.	.	.	52	287
242	IL WABASH CO	13,111	.	.	.	.	.	138
243	IL WILL CO	357,313	.	0.03	0.0066	0.119	64	47
244	IL WINNEBAGO CO	252,913	4.5	0.03	.	0.104	45	.
245	IN ALLEN CO	300,836	4.7	0.04	.	0.112	64	.
246	IN CLARK CO	87,777	.	.	.	0.132	68	.
247	IN DAVIESS CO	27,533	.	.	.	.	.	111
248	IN DEARBORN CO	38,835	.	.	.	.	.	64
249	IN DE KALB CO	35,324	.	0	.	.	101	.
250	IN DELAWARE CO	119,659	.	1.2	.	.	.	.
251	IN DUBOIS CO	36,616	.	.	.	.	63	.
252	IN ELKHART CO	156,198	.	.	.	0.102	.	.
253	IN FLOYD CO	64,404	.	.	.	0.115	.	102
254	IN FOUNTAIN CO	17,808	.	.	.	.	.	128
255	IN GIBSON CO	31,913	.	.	.	.	.	240
256	IN HAMILTON CO	108,936	.	.	.	0.111	.	.
257	IN HANCOCK CO	45,527	.	.	.	0.125	.	.
258	IN JASPER CO	24,960	.	.	.	.	49	30
259	IN JEFFERSON CO	29,797	.	.	.	.	.	71
260	IN KOSCIUSKO CO	65,294	.	.	.	0.1	.	.
261	IN LAKE CO	475,594	4	0.19	0.023	0.12	157	101
262	IN LA PORTE CO	107,066	.	0.02	.	0.149	28	53
263	IN MADISON CO	130,669	.	.	.	0.115	52	.
264	IN MARION CO	797,159	4.2	0.94	0.0198	0.115	79	111
265	IN MORGAN CO	55,920	.	.	.	.	.	54
266	IN PIKE CO	12,509	.	.	.	.	.	125
267	IN PORTER CO	128,932	.	.	.	0.123	86	51
268	IN POSEY CO	25,968	.	.	.	.	.	89
269	IN ST JOSEPH CO	247,052	3.2	.	0.0166	0.114	54	.
270	IN SPENCER CO	19,490	.	.	0.0093	.	43	70
271	IN SULLIVAN CO	18,993	.	.	.	.	.	60
272	IN TIPPECANOE CO	130,598	1.4	.	0.0147	0.104	63	67
273	IN VANDERBURGH CO	165,058	3.7	.	0.0122	0.114	71	120
274	IN VERMILLION CO	16,773	.	.	.	.	.	63
275	IN VIGO CO	106,107	2.9	.	.	0.099	68	92
276	IN WARRICK CO	44,920	.	.	.	0.115	68	160
277	IN WAYNE CO	71,951	.	.	.	.	.	92
278	IA BLACK HAWK CO	123,798	.	.	.	.	71	.
279	IA CERRO GORDO CO	46,733	.	.	.	.	136	.
280	IA CLINTON CO	51,040	.	.	.	.	88	58
281	IA DELAWARE CO	18,035	.	.	.	.	36	.
282	IA DUBUQUE CO	86,403	.	.	.	.	.	71
283	IA LEE CO	38,687	.	.	.	.	.	112
284	IA LINN CO	168,767	2.6	.	.	0.075	62	116
285	IA MUSCATINE CO	39,907	.	.	.	.	.	321
286	IA POLK CO	327,140	5.7	.	.	0.087	97	.
287	IA POTTAWATTAMIE CO	82,628	.	0.41	.	.	.	.
288	IA SCOTT CO	150,979	.	.	.	0.101	157	57

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
289	IA VAN BUREN CO	7,676	.	.	.	0.082	.	23
290	IA WOODBURY CO	98,276	.	.	.	.	62	.
291	KS CLOUD CO	11,023	.	0.01	.	.	57	.
292	KS FORD CO	27,463	.	0.01	.	.	61	.
293	KS GREELEY CO	1,774	.	0.01	.	.	64	.
294	KS JOHNSON CO	355,054	.	0.01	.	.	56	.
295	KS MORTON CO	3,480	.	0.01	.	.	38	.
296	KS SEDGWICK CO	403,662	5.7	0.02	.	0.1	102	15
297	KS SHAWNEE CO	160,976	.	0.01	.	.	65	.
298	KS SHERMAN CO	6,926	0.4	0.01	.	0.08	57	3
299	KS WYANDOTTE CO	161,993	3.9	0.03	0.0203	0.113	104	52
300	KY BELL CO	31,506	4.2	.	.	0.092	65	.
301	KY BOONE CO	57,589	.	.	.	0.108	.	.
302	KY BOYD CO	51,150	3.8	.	0.0156	0.123	79	125
303	KY BULLITT CO	47,567	.	.	0.0119	0.116	64	.
304	KY CAMPBELL CO	83,866	.	.	0.0198	0.115	70	72
305	KY CARTER CO	24,340	.	.	.	.	61	.
306	KY CHRISTIAN CO	68,941	.	.	.	0.101	.	.
307	KY DAVIESS CO	87,189	4.2	.	0.0125	0.109	79	73
308	KY EDMONSON CO	10,357	.	.	.	0.085	.	.
309	KY FAYETTE CO	225,366	3	.	0.017	0.108	62	42
310	KY FLOYD CO	43,586	.	.	.	.	77	.
311	KY GRAVES CO	33,550	.	.	.	0.089	.	.
312	KY GREENUP CO	36,742	.	0.04	.	0.118	.	62
313	KY HANCOCK CO	7,864	.	.	.	0.115	.	70
314	KY HARDIN CO	89,240	.	.	.	0.117	48	.
315	KY HARLAN CO	36,574	.	.	.	.	74	.
316	KY HENDERSON CO	43,044	2.7	.	0.0172	0.108	79	78
317	KY JEFFERSON CO	664,937	6.1	0.06	0.0217	0.119	70	105
318	KY JESSAMINE CO	30,508	.	.	.	0.098	.	.
319	KY KENTON CO	142,031	3.1	.	0.0219	0.114	67	.
320	KY LAWRENCE CO	13,998	.	.	.	0.099	54	.
321	KY LIVINGSTON CO	9,062	.	.	.	0.108	50	64
322	KY MC CRACKEN CO	62,879	2.6	.	0.0117	0.099	60	52
323	KY MC LEAN CO	9,628	.	.	.	0.107	.	.
324	KY MADISON CO	57,508	.	.	.	.	68	.
325	KY MARSHALL CO	27,205	.	.	.	.	57	.
326	KY MUHLENBERG CO	31,318	.	.	.	.	.	91
327	KY OLDHAM CO	33,263	.	.	.	0.108	.	.
328	KY PERRY CO	30,283	.	.	.	0.092	69	33
329	KY PIKE CO	72,583	.	.	.	0.125	67	.
330	KY PULASKI CO	49,489	.	.	.	0.107	54	.
331	KY SCOTT CO	23,867	.	.	.	0.107	.	.
332	KY SIMPSON CO	15,145	.	.	0.0124	0.101	.	.
333	KY TRIGG CO	10,361	.	.	.	.	73	.
334	KY WARREN CO	76,673	.	.	.	.	51	.
335	KY WHITLEY CO	33,326	.	.	.	.	71	.
336	KY WOODFORD CO	19,955	.	0.06	.	.	.	.
337	LA ASCENSION PAR	58,214	.	.	.	0.12	.	.
338	LA BEAUREGARD PAR	30,083	.	.	0.0063	0.12	.	.
339	LA BOSSIER PAR	86,088	.	.	.	0.092	52	10
340	LA CADDO PAR	248,253	.	.	.	0.102	50	.
341	LA CALCASIEU PAR	168,134	.	.	0.006	0.113	54	48
342	LA EAST BATON ROUGE PAR	380,105	4	0.13	0.0178	0.134	42	45
343	LA GRANT PAR	17,526	.	.	.	0.095	.	.
344	LA IBERVILLE PAR	31,049	.	.	0.0102	0.133	58	.
345	LA JACKSON PAR	15,705	.	.	.	.	40	.
346	LA JEFFERSON PAR	448,306	.	.	0.0114	0.111	.	.
347	LA LAFAYETTE PAR	164,762	.	.	.	0.109	47	.
348	LA LAFOURCHE PAR	85,860	.	.	.	0.141	.	.
349	LA LIVINGSTON PAR	70,526	.	.	0.0045	0.125	.	.
350	LA ORLEANS PAR	496,938	4	0.03	0.0212	0.098	50	.
351	LA OUACHITA PAR	142,191	.	.	.	0.095	111	18
352	LA POINTE COUPEE PAR	22,540	.	.	0.0068	0.107	.	.
353	LA RAPIDES PAR	131,556	.	.	.	.	45	.
354	LA ST BERNARD PAR	66,631	.	.	.	0.093	.	58
355	LA ST CHARLES PAR	42,437	.	.	.	0.115	66	.
356	LA ST JAMES PAR	20,879	.	.	0.0123	0.127	.	.
357	LA ST JOHN THE BAPTIST PAR	39,996	.	0.41	.	0.118	.	.
358	LA ST MARY PAR	58,086	.	0.04	0.0107	0.104	.	.
359	LA WEST BATON ROUGE PAR	19,419	.	0.04	0.0157	0.112	56	88
360	ME ANDROSCOGGIN CO	105,259	.	.	.	.	46	68

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
361	ME AROOSTOOK CO	86,936	.	.	.	.	65	130
362	ME CUMBERLAND CO	243,135	.	.	0.005	0.116	86	57
363	ME FRANKLIN CO	29,008	.	.	.	.	49	.
364	ME HANCOCK CO	46,948	.	.	.	0.121	65	.
365	ME KENNEBEC CO	115,904	.	.	.	0.091	83	.
366	ME KNOX CO	36,310	.	.	.	0.123	55	.
367	ME OXFORD CO	52,602	.	.	.	0.093	54	58
368	ME PENOBSCOT CO	146,601	.	.	.	0.1	92	54
369	ME PISCATAQUIS CO	18,653	.	.	.	0.087	.	.
370	ME SAGADAHOC CO	33,535	.	.	.	0.139	.	.
371	ME SOMERSET CO	49,767	.	.	.	0.088	34	.
372	ME WASHINGTON CO	35,308	.	.	.	0.107	.	.
373	ME YORK CO	164,587	.	.	0.008	0.129	33	.
374	MD ALLEGANY CO	74,946	.	.	.	.	56	40
375	MD ANNE ARUNDEL CO	427,239	.	.	0.0119	0.153	63	57
376	MD BALTIMORE CO	692,134	3.2	.	0.022	0.137	46	.
377	MD CARROLL CO	123,372	.	.	.	0.119	.	.
378	MD CECIL CO	71,347	.	.	.	0.146	42	.
379	MD CHARLES CO	101,154	.	.	.	0.112	.	.
380	MD FREDERICK CO	150,208	.	.	.	.	59	.
381	MD GARRETT CO	28,138	.	.	.	.	58	.
382	MD HARFORD CO	182,132	.	.	0.0098	0.143	.	.
383	MD KENT CO	17,842	.	.	.	0.122	.	.
384	MD MONTGOMERY CO	757,027	3.4	.	.	0.121	57	.
385	MD PRINCE GEORGES CO	729,268	6.3	.	.	0.124	51	.
386	MD WASHINGTON CO	121,393	.	.	.	.	53	.
387	MD WICOMICO CO	74,339	.	.	.	.	33	.
388	MD BALTIMORE	736,014	5.8	0.03	0.0262	0.14	73	61
389	MA BARNSTABLE CO	186,605	.	.	.	0.134	.	.
390	MA BERKSHIRE CO	139,352	.	.	.	0.086	.	.
391	MA BRISTOL CO	506,325	.	.	.	0.138	43	57
392	MA ESSEX CO	670,080	.	0	0.0163	0.119	28	87
393	MA HAMPDEN CO	456,310	8.4	0.01	0.0224	0.128	52	81
394	MA HAMPSHIRE CO	146,568	.	.	0.0069	0.129	32	34
395	MA MIDDLESEX CO	1,398,468	7.8	.	.	0.113	32	104
396	MA NORFOLK CO	616,087	.	.	0.0215	.	29	.
397	MA PLYMOUTH CO	435,276	.	.	.	0.104	.	.
398	MA SUFFOLK CO	663,906	3.7	0.01	0.0305	0.106	58	85
399	MA WORCESTER CO	709,705	4.2	.	0.0206	0.118	39	60
400	MI ALLEGAN CO	90,509	.	.	0.0075	0.145	.	.
401	MI ALPENA CO	30,605	.	0.01	.	.	74	.
402	MI BENZIE CO	12,200	.	.	.	0.111	.	.
403	MI BERRIEN CO	161,378	.	.	.	0.115	.	.
404	MI CALHOUN CO	135,982	.	.	.	.	55	.
405	MI CASS CO	49,477	.	.	.	0.11	.	.
406	MI CLINTON CO	57,883	.	.	.	0.088	.	.
407	MI DELTA CO	37,780	.	.	.	.	.	22
408	MI GENESEE CO	430,459	.	0.01	.	0.097	46	43
409	MI HURON CO	34,951	.	.	.	0.119	.	.
410	MI INGHAM CO	281,912	.	.	.	0.104	.	.
411	MI KALAMAZOO CO	223,411	1.7	0.01	0.014	0.108	53	38
412	MI KENT CO	500,631	4.6	0.01	.	0.117	54	29
413	MI LENAWEE CO	91,476	.	.	.	0.11	.	.
414	MI MACOMB CO	717,400	4.2	.	0.0146	0.129	.	52
415	MI MARQUETTE CO	70,887	.	.	.	.	42	.
416	MI MASON CO	25,537	.	.	.	0.125	.	.
417	MI MONROE CO	133,600	.	.	.	.	55	.
418	MI MUSKEGON CO	158,983	.	0.01	.	0.142	.	.
419	MI OAKLAND CO	1,083,592	4.1	.	.	0.125	.	.
420	MI OTTAWA CO	187,768	.	.	.	0.116	.	.
421	MI SAGINAW CO	211,946	.	.	.	.	26	.
422	MI ST CLAIR CO	145,607	.	.	.	0.135	.	114
423	MI VAN BUREN CO	70,060	.	0.01	0.0082	.	.	41
424	MI WASHTENAW CO	282,937	.	.	.	0.113	.	.
425	MI WAYNE CO	2,111,687	6.6	0.11	0.0216	0.114	159	125
426	MN ANOKA CO	243,641	.	.	.	0.112	.	.
427	MN CARLTON CO	29,259	.	.	.	.	42	.
428	MN DAKOTA CO	275,227	1.2	.	0.0191	0.093	.	56
429	MN HENNEPIN CO	1,032,431	5	.	.	.	57	.
430	MN KOOCHICHING CO	16,299	.	.	.	0.085	29	15
431	MN LAKE CO	10,415	.	.	.	0.069	.	.
432	MN OLMSTED CO	106,470	.	.	.	.	49	.

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)
433	MN	RAMSEY CO	485,765	7.4	.	.	88	.
434	MN	ST LOUIS CO	198,213	.	.	.	45	.
435	MN	STEARNS CO	118,791	4.3	.	.	.	.
436	MN	WASHINGTON CO	145,896	.	.	0.114	49	98
437	MS	ADAMS CO	35,356	.	.	0.092	.	.
438	MS	COAHOMA CO	31,665	.	.	.	46	.
439	MS	DE SOTO CO	67,910	.	.	0.108	.	.
440	MS	FRANKLIN CO	8,377	.	.	0.094	.	.
441	MS	HANCOCK CO	31,760	.	.	0.111	.	.
442	MS	HARRISON CO	165,365	.	.	.	.	63
443	MS	HINDS CO	254,441	4.4	0.09	.	68	19
444	MS	JACKSON CO	115,243	.	.	0.096	35	28
445	MS	JONES CO	62,031	.	.	.	46	.
446	MS	LAUDERDALE CO	75,555	.	.	0.091	.	.
447	MS	LEE CO	65,581	.	.	0.097	.	.
448	MS	MADISON CO	53,794	.	.	0.089	.	.
449	MS	SHARKEY CO	7,066	.	.	0.096	.	.
450	MS	WARREN CO	47,880	.	.	0.086	45	.
451	MS	WASHINGTON CO	67,935	.	.	.	57	.
452	MO	AUDRAIN CO	23,599	.	.	.	58	.
453	MO	BUCHANAN CO	83,083	.	.	.	101	112
454	MO	CHRISTIAN CO	32,644	.	.	.	140	.
455	MO	CLAY CO	153,411	3.8	.	0.0129	0.134	49
456	MO	COLE CO	63,579	.	.	.	44	.
457	MO	GREENE CO	207,949	4.1	.	0.0118	0.105	39
458	MO	HOLT CO	6,034	.	1.16	.	.	.
459	MO	IRON CO	10,726	.	8.1	.	.	198
460	MO	JACKSON CO	633,232	4.7	0.01	0.0173	0.087	77
461	MO	JEFFERSON CO	171,380	.	6.54	.	0.125	61
462	MO	MARION CO	27,682	.	.	.	51	.
463	MO	MONROE CO	9,104	.	.	0.094	38	29
464	MO	PLATTE CO	57,867	.	.	0.0091	0.122	29
465	MO	ST CHARLES CO	212,907	.	.	0.0112	0.136	58
466	MO	ST FRANCOIS CO	48,904	.	0.06	.	.	58
467	MO	ST LOUIS CO	993,529	3.6	0.03	0.022	0.117	67
468	MO	TANEY CO	25,561	2	.	.	.	61
469	MO	ST LOUIS	396,685	5	.	0.0262	0.123	88
470	MT	BIG HORN CO	11,337	.	.	.	.	89
471	MT	BROADWATER CO	3,318	.	.	.	59	39
472	MT	CASCADE CO	77,691	6.2	.	.	52	43
473	MT	FERGUS CO	12,083	.	.	.	25	.
474	MT	FLATHEAD CO	59,218	6.5	.	.	133	.
475	MT	GALLATIN CO	50,463	.	.	.	124	.
476	MT	GLACIER CO	12,121	.	.	.	37	.
477	MT	JEFFERSON CO	7,939	.	.	.	65	210
478	MT	LAKE CO	21,041	.	.	.	109	.
479	MT	LEWIS AND CLARK CO	47,495	.	5.37	.	91	108
480	MT	LINCOLN CO	17,481	.	.	.	89	.
481	MT	MADISON CO	5,989	.	.	.	29	.
482	MT	MISSOULA CO	78,687	6.6	.	.	81	.
483	MT	PARK CO	14,562	.	.	.	78	.
484	MT	PHILLIPS CO	5,163	.	.	.	40	.
485	MT	RAVALLI CO	25,010	.	.	.	74	.
486	MT	ROOSEVELT CO	10,999	.	.	.	35	.
487	MT	ROSEBUD CO	10,505	.	.	0.0054	.	99
488	MT	SANDERS CO	8,669	.	.	.	97	.
489	MT	SILVER BOW CO	33,941	.	.	.	84	.
490	MT	STILLWATER CO	6,536	.	.	.	26	.
491	MT	YELLOWSTONE CO	113,419	6.6	.	.	35	208
492	NE	ADAMS CO	29,625	.	.	.	53	.
493	NE	BUFFALO CO	37,447	.	.	.	83	.
494	NE	CASS CO	21,318	.	.	.	115	.
495	NE	DAWSON CO	19,940	.	.	.	100	.
496	NE	DODGE CO	34,500	.	0.08	.	.	.
497	NE	DOUGLAS CO	416,444	7.5	6.57	.	0.088	90
498	NE	GAGE CO	22,794	.	.	.	26	.
499	NE	HALL CO	48,925	.	.	.	31	.
500	NE	LANCASTER CO	213,641	6.2	.	0.07	54	.
501	NE	NEMaha CO	7,980	.	.	.	46	.
502	NE	OTOE CO	14,252	.	.	.	58	.
503	NE	SARPY CO	102,583	.	.	.	52	.
504	NE	SCOTTS BLUFF CO	36,025	.	.	.	76	.

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
505	NV CLARK CO	741,459	9.2	.	0.0274	0.091	177	.
506	NV DOUGLAS CO	27,637	2.5	.	0.01	0.083	.	.
507	NV WASHOE CO	254,667	6	.	.	0.083	94	.
508	NV WHITE PINE CO	9,264	.	.	.	0.057	.	.
509	NH CHESHIRE CO	70,121	.	.	.	0.082	60	67
510	NH COOS CO	34,828	.	.	.	.	79	94
511	NH HILLSBOROUGH CO	336,073	7.6	.	0.0132	0.111	36	81
512	NH MERRIMACK CO	120,005	.	.	.	0.082	31	110
513	NH ROCKINGHAM CO	245,845	.	.	0.0122	0.13	37	46
514	NH STRAFFORD CO	104,233	.	.	.	.	37	.
515	NH SULLIVAN CO	38,592	.	.	.	0.088	32	33
516	NJ ATLANTIC CO	224,327	4.7	0.03	.	0.116	66	29
517	NJ BERGEN CO	825,380	5	.	0.0287	0.122	78	78
518	NJ BURLINGTON CO	395,066	4.4	.	.	.	70	.
519	NJ CAMDEN CO	502,824	4	.	0.0239	0.138	66	75
520	NJ CUMBERLAND CO	138,053	.	.	.	0.126	.	41
521	NJ ESSEX CO	778,206	5.3	0.23	0.0314	0.114	77	74
522	NJ GLOUCESTER CO	230,082	.	.	.	0.139	40	54
523	NJ HUDSON CO	553,099	8.1	0.05	0.0259	0.125	87	77
524	NJ HUNTERDON CO	107,776	.	.	.	0.115	.	.
525	NJ MERCER CO	325,824	.	.	0.0157	0.132	45	.
526	NJ MIDDLESEX CO	671,780	5.3	0.07	0.0186	0.15	51	46
527	NJ MONMOUTH CO	553,124	3.6	.	.	0.147	.	.
528	NJ MORRIS CO	421,353	5.1	.	0.0117	0.125	.	70
529	NJ OCEAN CO	433,203	3.9	.	.	0.149	.	.
530	NJ PASSAIC CO	453,060	.	0.03	.	.	71	.
531	NJ SALEM CO	65,294	.	0.02	.	.	.	.
532	NJ UNION CO	493,819	7.7	.	0.0387	0.108	69	66
533	NJ WARREN CO	91,607	.	.	.	.	65	.
534	NM BERNALILLO CO	480,577	7.6	.	0.0176	0.095	112	.
535	NM CHAVES CO	57,849	.	.	.	.	65	.
536	NM CIBOLA CO	23,794	.	.	.	.	36	.
537	NM DONA ANA CO	135,510	4.4	0.1	0.0049	0.135	272	94
538	NM EDDY CO	48,605	.	.	0.0057	.	.	17
539	NM GRANT CO	27,676	.	.	.	.	66	42
540	NM HIDALGO CO	5,958	.	.	.	.	28	70
541	NM LEA CO	55,765	.	.	.	.	51	.
542	NM LUNA CO	18,110	.	.	.	.	48	.
543	NM MC KINLEY CO	60,686	.	.	.	.	36	.
544	NM OTERO CO	51,928	.	.	.	.	22	.
545	NM SANDOVAL CO	63,319	1.6	.	0.0102	0.1	51	.
546	NM SAN JUAN CO	91,605	2.7	.	0.0357	0.12	66	138
547	NM SANTA FE CO	98,928	2.3	.	.	.	30	118
548	NM TAOS CO	23,118	.	.	.	.	34	.
549	NM VALENCIA CO	45,235	.	.	.	0.076	.	81
550	NY ALBANY CO	292,594	.	0.04	0.0141	0.106	52	59
551	NY BRONX CO	1,203,789	3.6	.	0.0357	0.12	66	.
552	NY BROOME CO	212,160	.	.	.	.	43	.
553	NY CHAUTAUQUA CO	141,895	.	.	.	0.104	48	114
554	NY CHEMUNG CO	95,195	.	.	.	0.088	43	37
555	NY DUTCHESS CO	259,462	.	.	.	0.115	.	.
556	NY ERIE CO	968,532	3.1	0.04	0.0211	0.099	48	133
557	NY ESSEX CO	37,152	.	.	.	0.103	28	21
558	NY FRANKLIN CO	46,540	.	.	.	.	44	.
559	NY GREENE CO	44,739	.	.	.	.	38	.
560	NY HAMILTON CO	5,279	.	.	.	0.101	.	21
561	NY HERKIMER CO	65,797	.	.	.	0.088	29	22
562	NY JEFFERSON CO	110,943	.	.	.	0.113	.	.
563	NY KINGS CO	2,300,664	7.9	0.13	0.0329	0.131	68	102
564	NY MADISON CO	69,120	.	.	.	0.096	.	38
565	NY MONROE CO	713,968	3.4	0.04	.	0.103	53	128
566	NY NASSAU CO	1,287,348	5	.	0.0247	.	63	77
567	NY NEW YORK CO	1,487,536	7.9	0.07	0.0417	.	93	123
568	NY NIAGARA CO	220,756	2	0.02	.	0.106	47	133
569	NY ONEIDA CO	250,836	.	.	.	0.095	42	.
570	NY ONONDAGA CO	468,973	3.3	.	.	0.103	59	42
571	NY ORANGE CO	307,647	.	0.11	.	0.115	.	.
572	NY PUTNAM CO	83,941	.	.	.	0.127	41	39
573	NY QUEENS CO	1,951,598	.	.	.	0.123	.	79
574	NY RENSSELAER CO	154,429	.	.	.	.	44	19
575	NY RICHMOND CO	378,977	.	0.03	.	0.125	65	64
576	NY ROCKLAND CO	265,475	.	.	.	.	22	.

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)
577	NY	SARATOGA CO	181,276	.	.	0.101	39	.
578	NY	SCHENECTADY CO	149,285	4.3	.	0.095	42	42
579	NY	STEUBEN CO	99,088	.	.	.	41	.
580	NY	SUFFOLK CO	1,321,864	.	.	0.146	53	75
581	NY	ULSTER CO	165,304	.	.	0.092	47	25
582	NY	WARREN CO	59,209	.	.	.	39	30
583	NY	WAYNE CO	89,123	.	.	0.111	.	.
584	NY	WESTCHESTER CO	874,866	.	0.03	0.124	50	.
585	NC	ALAMANCE CO	108,213	.	.	.	59	.
586	NC	ALEXANDER CO	27,544	.	.	.	48	13
587	NC	BEAUFORT CO	42,283	.	.	.	31	45
588	NC	BUNCOMBE CO	174,821	.	.	0.085	71	.
589	NC	CABARRUS CO	98,935	.	.	.	42	.
590	NC	CALDWELL CO	70,709	.	.	0.095	.	.
591	NC	CAMDEN CO	5,904	.	.	0.093	.	.
592	NC	CASWELL CO	20,693	0.3	.	0.006	0.108	.
593	NC	CATAWBA CO	118,412	.	.	.	51	.
594	NC	CHATHAM CO	38,759	0.4	.	0.004	0.102	43
595	NC	COLUMBUS CO	49,587	.	.	.	.	34
596	NC	CUMBERLAND CO	274,566	5.4	.	0.104	38	.
597	NC	DAVIDSON CO	126,677	.	.	.	56	.
598	NC	DAVIE CO	27,859	.	.	.	25	.
599	NC	DUPLIN CO	39,995	.	.	0.077	.	.
600	NC	DURHAM CO	181,835	5.4	.	0.011	0.101	51
601	NC	EDGECOMBE CO	56,558	.	.	.	48	.
602	NC	FORSYTH CO	265,878	6.2	.	0.0159	0.117	66
603	NC	FRANKLIN CO	36,414	0.6	.	0.007	0.091	.
604	NC	GASTON CO	175,093	4	.	.	.	.
605	NC	GRANVILLE CO	38,345	0.6	.	0.007	0.109	48
606	NC	GUILFORD CO	347,420	5.8	.	.	0.111	57
607	NC	HALIFAX CO	55,516	.	.	.	51	.
608	NC	HARNETT CO	67,822	.	.	.	53	.
609	NC	HAYWOOD CO	46,942	.	.	0.107	41	.
610	NC	HENDERSON CO	69,285	.	.	.	46	.
611	NC	JOHNSTON CO	81,306	.	.	0.104	.	.
612	NC	LINCOLN CO	50,319	0.9	.	0.011	0.106	41
613	NC	MC DOWELL CO	35,681	.	.	.	52	.
614	NC	MARTIN CO	25,078	.	.	0.089	.	19
615	NC	MECKLENBURG CO	511,433	5.4	.	0.0164	0.118	58
616	NC	MITCHELL CO	14,433	.	.	.	71	27
617	NC	NEW HANOVER CO	120,284	.	.	.	38	164
618	NC	NORTHAMPTON CO	20,798	.	.	0.101	.	25
619	NC	ONSLOW CO	149,838	.	.	.	38	.
620	NC	ORANGE CO	93,851	5.8	.	.	.	.
621	NC	PASQUOTANK CO	31,298	.	.	.	31	.
622	NC	PERSON CO	30,180	.	.	0.094	.	31
623	NC	PITT CO	107,924	.	.	0.098	.	.
624	NC	ROBESON CO	105,179	.	.	.	44	.
625	NC	ROCKINGHAM CO	86,064	.	0.009	0.088	.	.
626	NC	ROWAN CO	110,605	0.9	0.01	0.111	42	.
627	NC	SWAIN CO	11,268	.	.	0.077	43	15
628	NC	WAKE CO	423,380	6.6	0.016	0.108	45	.
629	NC	WATAUGA CO	36,952	.	.	.	34	.
630	NC	WAYNE CO	104,666	.	.	.	34	.
631	NC	WILSON CO	66,061	.	.	.	45	.
632	NC	YANCEY CO	15,419	.	.	0.111	.	.
633	ND	BILLINGS CO	1,108	.	.	.	.	18
634	ND	BURLEIGH CO	60,131	.	.	.	36	.
635	ND	CASS CO	102,874	.	0.0075	0.044	46	19
636	ND	DUNN CO	4,005	.	.	.	.	17
637	ND	GRAND FORKS CO	70,683	.	.	.	40	.
638	ND	MC KENZIE CO	6,383	.	.	0.062	.	15
639	ND	MERCER CO	9,808	.	0.0057	0.061	33	57
640	ND	MORTON CO	23,700	.	.	.	.	71
641	ND	OLIVER CO	2,381	.	0.0032	0.061	.	42
642	ND	STARK CO	22,832	.	.	.	31	.
643	ND	STEELE CO	2,420	.	0.0027	0.067	48	10
644	ND	WILLIAMS CO	21,129	.	.	.	33	30
645	OH	ADAMS CO	25,371	0.3	0.0069	.	.	67
646	OH	ALLEN CO	109,755	.	.	0.106	47	40
647	OH	ASHTABULA CO	99,821	.	.	0.104	.	51
648	OH	ATHENS CO	59,549	.	.	.	46	.
649	OH	BELMONT CO	71,074	.	.	.	78	111

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂	
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)	
650	OH	BUTLER CO	291,479	.	0.1	.	0.133	99	52
651	OH	CLARK CO	147,548	.	.	.	0.123	.	44
652	OH	CLERMONT CO	150,187	.	.	.	0.116	.	62
653	OH	CLINTON CO	35,415	.	.	.	0.121	.	.
654	OH	COLUMBIANA CO	108,276	.	.	0.0196	.	88	104
655	OH	CUYAHOGA CO	1,412,140	8.2	1.63	0.0273	0.112	173	94
656	OH	FRANKLIN CO	961,437	4.9	0.14	.	0.108	83	51
657	OH	FULTON CO	38,498	.	0.43	.	.	.	.
658	OH	GREENE CO	136,731	.	.	.	.	51	.
659	OH	HAMILTON CO	866,228	4	0.06	0.0243	0.123	82	69
660	OH	HANCOCK CO	65,536	.	.	.	.	44	.
661	OH	JEFFERSON CO	80,298	5.7	.	0.02	0.115	111	150
662	OH	KNOX CO	47,473	.	.	.	0.104	.	.
663	OH	LAKE CO	215,499	2.1	.	.	0.118	50	131
664	OH	LAWRENCE CO	61,834	.	.	.	0.11	57	71
665	OH	LICKING CO	128,300	.	.	.	0.116	.	.
666	OH	LOGAN CO	42,310	.	0.44	.	0.109	.	.
667	OH	LORAIN CO	271,126	.	.	.	0.106	67	52
668	OH	LUCAS CO	462,361	3.1	.	.	0.111	68	66
669	OH	MADISON CO	37,068	.	.	.	0.113	.	.
670	OH	MAHONING CO	264,806	.	.	.	0.11	130	95
671	OH	MEDINA CO	122,354	.	.	.	0.114	.	.
672	OH	MEIGS CO	22,987	.	.	.	.	.	119
673	OH	MIAMI CO	93,182	.	.	.	0.102	.	.
674	OH	MONROE CO	15,497	.	.	.	.	57	.
675	OH	MONTGOMERY CO	573,809	3.7	0.05	.	0.109	64	40
676	OH	MORGAN CO	14,194	.	.	.	.	.	131
677	OH	NOBLE CO	11,336	.	.	.	.	58	.
678	OH	OTTAWA CO	40,029	.	.	.	.	45	.
679	OH	PORTAGE CO	142,585	.	.	.	0.115	.	.
680	OH	PREBLE CO	40,113	.	.	.	0.099	.	.
681	OH	RICHLAND CO	126,137	.	.	.	.	61	.
682	OH	SANDUSKY CO	61,963	.	.	.	.	74	.
683	OH	SCIOTO CO	80,327	0.4	.	0.0077	.	65	59
684	OH	SENECA CO	59,733	.	.	.	.	81	.
685	OH	STARK CO	367,585	3	.	.	0.12	66	85
686	OH	SUMMIT CO	514,990	3.7	0.03	.	0.119	71	120
687	OH	TRUMBULL CO	227,813	.	.	.	0.113	64	.
688	OH	TUSCARAWAS CO	84,090	.	.	.	.	.	130
689	OH	WARREN CO	113,909	.	.	.	0.128	.	.
690	OH	WASHINGTON CO	62,254	.	.	.	0.111	.	.
691	OH	WYANDOT CO	22,254	.	.	.	.	65	.
692	OK	CARTER CO	42,919	.	.	.	.	56	.
693	OK	CLEVELAND CO	174,253	2.8	.	0.0117	0.109	77	.
694	OK	COMANCHE CO	111,486	3.1	.	0.008	0.092	52	.
695	OK	GARVIN CO	26,605	.	.	.	.	.	42
696	OK	KAY CO	48,056	.	.	.	.	50	59
697	OK	MC CLAIN CO	22,795	.	.	.	0.109	.	.
698	OK	MAYES CO	33,366	.	.	.	.	57	.
699	OK	MUSKOGEE CO	68,078	.	.	0.0072	.	62	49
700	OK	OKLAHOMA CO	599,611	7.3	0.02	0.0138	0.12	48	17
701	OK	TULSA CO	503,341	4.4	0.09	0.0158	0.121	70	117
702	OK	WOODWARD CO	18,976	.	.	.	.	45	.
703	OR	CLACKAMAS CO	278,850	.	.	.	0.106	24	.
704	OR	COLUMBIA CO	37,557	.	.	.	0.081	.	.
705	OR	DESCHUTES CO	74,958	5.2	.	.	.	82	.
706	OR	DOUGLAS CO	94,649	.	.	.	.	36	.
707	OR	JACKSON CO	146,389	6	0.02	.	0.091	76	.
708	OR	JOSEPHINE CO	62,649	6.3	.	.	.	62	.
709	OR	KLAMATH CO	57,702	4.1	.	.	.	66	.
710	OR	LAKE CO	7,186	.	.	.	.	81	.
711	OR	LANE CO	282,912	5.4	0.02	.	0.087	135	.
712	OR	MARION CO	228,483	5.5	.	.	.	.	.
713	OR	MULTNOMAH CO	583,887	7	0.04	0.0152	.	58	30
714	OR	UMATILLA CO	59,249	.	.	.	.	72	.
715	OR	UNION CO	23,598	.	.	.	.	98	.
716	OR	YAMHILL CO	65,551	.	0.28	.	.	.	.
717	PA	ALLEGHENY CO	1,336,449	5.9	0.1	0.0319	0.138	193	223
718	PA	BEAVER CO	186,093	2.5	0	0.0183	0.106	56	209
719	PA	BERKS CO	336,523	3.9	0.73	0.021	0.116	54	87
720	PA	BLAIR CO	130,542	1.7	.	0.0128	0.112	70	97
721	PA	BUCKS CO	541,174	5	0.04	0.0203	0.137	75	91

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂	
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)	
722	PA	CAMBRIA CO	163,029	3.5	0.06	0.0154	0.101	61	110
723	PA	CARBON CO	56,846	.	0.07	.	.	.	.
724	PA	CHESTER CO	376,396	.	.	.	83	.	.
725	PA	DAUPHIN CO	237,813	2.6	0.04	0.02	0.113	67	52
726	PA	DELAWARE CO	547,651	.	0.05	0.02	0.126	105	100
727	PA	ERIE CO	275,572	3.2	.	0.0148	0.105	94	131
728	PA	LACKAWANNA CO	219,039	2.6	.	0.0177	0.11	76	118
729	PA	LANCASTER CO	422,822	2.4	0.04	0.0157	0.124	73	48
730	PA	LAWRENCE CO	96,246	4.3	.	0.019	0.101	104	84
731	PA	LEHIGH CO	291,130	4.8	.	0.0182	0.109	56	74
732	PA	LUZERNE CO	328,149	3	.	0.0144	0.105	65	70
733	PA	LYCOMING CO	118,710	.	.	0.091	.	59	71
734	PA	MERCER CO	121,003	.	0.05	.	0.113	72	84
735	PA	MONTGOMERY CO	678,111	4.1	0.04	0.02	0.114	57	65
736	PA	NORTHAMPTON CO	247,105	4.6	0.04	0.0225	0.116	70	71
737	PA	PERRY CO	41,172	.	.	0.0071	0.103	59	37
738	PA	PHILADELPHIA CO	1,585,577	5.6	10.19	0.0318	0.13	295	105
739	PA	SCHUYLKILL CO	152,585	1.8	.	.	.	.	85
740	PA	WARREN CO	45,050	.	.	.	.	.	68
741	PA	WASHINGTON CO	204,584	2.8	.	0.0173	0.116	74	117
742	PA	WESTMORELAND CO	370,321	.	0.06	.	0.127	72	.
743	PA	YORK CO	339,574	2.7	0.04	0.0211	0.097	66	51
744	RI	KENT CO	161,135	.	.	0.004	0.136	37	.
745	RI	PROVIDENCE CO	596,270	7	.	0.0224	0.131	76	73
746	SC	ABBEVILLE CO	23,862	.	.	0.096	.	.	.
747	SC	AIKEN CO	120,940	.	0.01	.	0.091	40	.
748	SC	ANDERSON CO	145,196	.	0.01	.	0.115	38	.
749	SC	BARNWELL CO	20,293	.	.	0.085	34	.	.
750	SC	BERKELEY CO	128,776	.	.	0.087	.	.	.
751	SC	CHARLESTON CO	295,039	6.4	0.01	0.0111	0.092	55	51
752	SC	CHEROKEE CO	44,506	.	.	0.106	.	.	.
753	SC	CHESTER CO	32,170	.	.	0.116	.	.	.
754	SC	DARLINGTON CO	61,851	.	.	0.089	.	.	.
755	SC	DILLON CO	29,114	.	0.02	.	.	.	.
756	SC	EDGEFIELD CO	18,375	.	.	0.092	.	.	.
757	SC	FAIRFIELD CO	22,295	.	.	.	47	.	.
758	SC	GEORGETOWN CO	46,302	.	0.01	.	.	85	43
759	SC	GREENVILLE CO	320,167	5.3	0.03	0.0174	.	94	18
760	SC	GREENWOOD CO	59,567	.	0.02	.	.	.	.
761	SC	LEXINGTON CO	167,611	.	.	.	137	38	.
762	SC	OCONEE CO	57,494	.	.	0.093	.	.	10
763	SC	PICKENS CO	93,894	.	.	0.107	.	.	.
764	SC	RICHLAND CO	285,720	4	0.01	0.0128	0.105	96	19
765	SC	SPARTANBURG CO	226,800	.	0.01	.	0.12	43	.
766	SC	UNION CO	30,337	.	.	0.098	.	.	.
767	SC	WILLIAMSBURG CO	36,815	.	.	0.082	.	.	.
768	SC	YORK CO	131,497	.	0.01	.	0.117	45	.
769	SD	BROOKINGS CO	25,207	.	.	.	.	63	.
770	SD	MINNEHAHA CO	123,809	.	.	.	.	54	.
771	SD	PENNINGTON CO	81,343	.	.	.	.	115	.
772	TN	ANDERSON CO	68,250	.	.	0.113	.	57	.
773	TN	BENTON CO	14,524	.	.	.	.	23	.
774	TN	BLOUNT CO	85,969	.	.	0.124	48	139	.
775	TN	BRADLEY CO	73,712	.	.	0.0148	.	48	85
776	TN	COFFEE CO	40,339	.	.	0.105	57	29	.
777	TN	DAVIDSON CO	510,784	7.3	0.09	0.0144	0.11	70	53
778	TN	DICKSON CO	35,061	.	0.02	.	0.12	56	21
779	TN	DYER CO	34,854	.	.	0.112	.	.	.
780	TN	FAYETTE CO	25,559	.	0.05	.	.	.	.
781	TN	GILES CO	25,741	.	.	.	23	.	.
782	TN	HAMBLEN CO	50,480	.	.	.	12	49	.
783	TN	HAMILTON CO	285,536	.	.	0.113	.	59	.
784	TN	HARDIN CO	22,633	.	.	.	.	48	.
785	TN	HAWKINS CO	44,565	.	.	.	.	107	.
786	TN	HAYWOOD CO	19,437	.	.	0.097	.	.	.
787	TN	HENRY CO	27,888	.	.	.	83	.	.
788	TN	HOUSTON CO	7,018	.	.	.	.	43	.
789	TN	HUMPHREYS CO	15,795	.	.	.	.	63	.
790	TN	JEFFERSON CO	33,016	.	.	0.123	.	.	.
791	TN	KNOX CO	335,749	4.1	.	0.12	64	.	.
792	TN	MC MINN CO	42,383	.	.	0.0131	.	65	68
793	TN	MADISON CO	77,982	.	.	0.0172	0.062	51	62

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)
794	TN	MAURY CO	54,812	.	.	.	60	.
795	TN	MONTGOMERY CO	100,498	2.1	.	0.0095	64	65
796	TN	POLK CO	13,643	.	.	.	.	170
797	TN	PUTNAM CO	51,373	.	.	0.091	51	22
798	TN	ROANE CO	47,227	.	0.19	.	58	53
799	TN	RUTHERFORD CO	118,570	.	.	0.085	.	.
800	TN	SEVIER CO	51,043	.	.	0.091	.	.
801	TN	SHELBY CO	826,330	6.6	1.53	0.0272	0.136	72
802	TN	STEWART CO	9,479	.	.	.	.	31
803	TN	SULLIVAN CO	143,596	3	0.18	0.0177	0.114	59
804	TN	SUMNER CO	103,281	.	.	.	0.124	76
805	TN	WASHINGTON CO	92,315	.	.	.	.	56
806	TN	WILLIAMSON CO	81,021	.	3.1	0.0033	0.105	.
807	TN	WILSON CO	67,675	.	.	0.104	.	15
808	TX	BELL CO	191,088	.	.	.	42	78
809	TX	BEXAR CO	1,185,394	4.3	0.03	.	0.121	.
810	TX	BRAZORIA CO	191,707	.	.	0.148	.	.
811	TX	BREWSTER CO	8,681	.	.	0.058	.	.
812	TX	CAMERON CO	260,120	2.6	.	.	0.084	7
813	TX	COLLIN CO	264,036	.	0.69	.	0.132	73
814	TX	DALLAS CO	1,852,810	5.9	0.19	0.0233	0.144	75
815	TX	DENTON CO	273,525	.	.	0.145	.	22
816	TX	ECTOR CO	118,934	.	.	.	38	.
817	TX	ELLIS CO	85,167	.	0.44	.	.	81
818	TX	EL PASO CO	591,610	7.9	0.19	0.0344	0.126	142
819	TX	GALVESTON CO	217,399	.	0.03	.	0.198	78
820	TX	GREGG CO	104,948	.	.	0.145	.	233
821	TX	HARRIS CO	2,818,199	5.2	0.02	0.0255	0.2	92
822	TX	JEFFERSON CO	239,397	1.7	0.02	0.01	0.149	56
823	TX	KAUFMAN CO	52,220	.	0.04	.	.	80
824	TX	LUBBOCK CO	222,636	.	.	.	149	.
825	TX	NUECES CO	291,145	.	.	0.128	56	58
826	TX	ORANGE CO	80,509	.	.	0.0103	0.12	.
827	TX	POTTER CO	97,874	.	.	.	35	.
828	TX	SMITH CO	151,309	.	.	0.111	51	.
829	TX	TARRANT CO	1,170,103	3.3	0.04	0.02	0.143	60
830	TX	TRAVIS CO	576,407	3.5	.	0.0211	0.105	41
831	TX	VICTORIA CO	74,361	.	.	0.104	.	.
832	TX	WEBB CO	133,239	.	.	.	55	.
833	TX	WICHITA CO	122,378	.	.	.	57	.
834	UT	CACHE CO	70,183	3.9	.	.	0.072	48
835	UT	DAVIS CO	187,941	3.2	.	0.0197	0.115	48
836	UT	GRAND CO	6,620	.	.	.	62	.
837	UT	IRON CO	20,789	.	.	.	34	.
838	UT	SALT LAKE CO	725,956	5.5	0.06	0.0225	0.115	129
839	UT	SAN JUAN CO	12,621	.	.	0.068	.	89
840	UT	TOOELE CO	26,601	.	.	.	50	7
841	UT	UTAH CO	263,590	7.1	.	0.0225	0.095	103
842	UT	WASHINGTON CO	48,560	3	.	0.077	73	.
843	UT	WEBER CO	158,330	6.7	.	0.0242	0.101	93
844	VT	BENNINGTON CO	35,845	.	.	0.089	.	39
845	VT	CHITTENDEN CO	131,761	2.5	.	0.0168	0.085	45
846	VT	RUTLAND CO	62,142	4.6	.	0.0132	.	73
847	VT	WASHINGTON CO	54,928	.	.	.	42	.
848	VT	WINDHAM CO	41,588	.	.	.	40	.
849	VA	ARLINGTON CO	170,936	4.6	.	0.023	0.118	51
850	VA	CAROLINE CO	19,217	.	.	0.0065	0.098	.
851	VA	CARROLL CO	26,594	.	.	.	53	.
852	VA	CHARLES CITY CO	6,282	.	.	0.0112	0.106	61
853	VA	CHESTERFIELD CO	209,274	.	.	.	0.124	.
854	VA	CULPEPER CO	27,791	.	.	.	51	.
855	VA	FAIRFAX CO	818,584	4.3	0.03	0.0233	0.132	57
856	VA	FAQUIER CO	48,741	.	.	0.096	.	.
857	VA	FREDERICK CO	45,723	.	.	0.098	.	.
858	VA	HANOVER CO	63,306	.	.	0.12	.	.
859	VA	HENRICO CO	217,881	.	.	0.108	50	.
860	VA	HENRY CO	56,942	.	.	0.093	.	.
861	VA	ISLE OF WIGHT CO	25,053	.	.	.	26	.
862	VA	KING WILLIAM CO	10,913	.	.	.	46	.
863	VA	LOUDOUN CO	86,129	.	.	.	45	.
864	VA	NORTHUMBERLAND CO	10,524	.	.	.	44	.
865	VA	PRINCE WILLIAM CO	215,686	.	.	0.0109	0.126	49

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 2nd MAX (ugm)	SO ₂ 24-hr (ugm)
866	VA ROANOKE CO	79,332	.	.	0.0127	0.093	.	27
867	VA SMYTH CO	32,370	.	.	.	.	56	.
868	VA STAFFORD CO	61,236	.	.	.	0.111	.	.
869	VA TAZEWELL CO	45,960	.	.	.	.	47	.
870	VA WARREN CO	26,142	.	.	.	.	47	.
871	VA WISE CO	39,573	.	.	.	.	49	.
872	VA WYTHE CO	25,466	.	.	.	0.095	.	.
873	VA YORK CO	42,422	.	.	.	.	27	.
874	VA ALEXANDRIA	111,183	3.8	.	0.0256	0.115	52	49
875	VA BRISTOL	18,426	.	.	.	.	56	.
876	VA CHARLOTTESVILLE	40,341	.	.	.	.	53	.
877	VA CHESAPEAKE	151,976	.	0.02	.	.	39	.
878	VA COVINGTON	6,991	.	.	.	.	50	.
879	VA FREDERICKSBURG	19,027	.	.	.	.	52	.
880	VA HAMPTON	133,793	.	.	.	0.099	39	41
881	VA LYNCHBURG	66,049	.	.	.	.	54	.
882	VA MARTINSVILLE	16,162	.	.	.	.	56	.
883	VA NEWPORT NEWS	170,045	3.4	.	.	.	.	.
884	VA NORFOLK	261,229	5.1	0.03	0.0178	.	43	73
885	VA RICHMOND	203,056	2.8	.	0.0222	.	55	41
886	VA ROANOKE	96,397	5.2	.	.	.	88	.
887	VA SUFFOLK	52,141	.	.	.	0.113	40	.
888	VA WINCHESTER	21,947	.	.	.	.	46	.
889	WA ADAMS CO	13,603	.	.	.	.	34	.
890	WA ASOTIN CO	17,605	.	.	.	.	65	.
891	WA BENTON CO	112,560	.	.	.	.	64	.
892	WA CHELAN CO	52,250	.	.	.	.	44	.
893	WA CLALLAM CO	56,464	.	.	.	0.072	39	228
894	WA CLARK CO	238,053	6.3	.	.	0.108	35	.
895	WA COWLITZ CO	82,119	.	.	.	.	46	.
896	WA GRAYS HARBOR CO	64,175	.	.	.	.	18	.
897	WA KING CO	1,507,319	6.5	0.51	0.019	0.099	117	53
898	WA KITSAP CO	189,731	5	.	.	.	65	.
899	WA PIERCE CO	586,203	6.3	.	.	0.089	94	53
900	WA SKAGIT CO	79,555	.	.	.	.	73	.
901	WA SNOHOMISH CO	465,642	6.5	.	.	0.079	88	36
902	WA SPOKANE CO	361,364	11.2	.	.	0.08	103	.
903	WA THURSTON CO	161,238	5.5	.	.	.	65	.
904	WA WALLA WALLA CO	48,439	.	.	.	.	91	.
905	WA WHATCOM CO	127,780	.	.	.	0.079	43	48
906	WA YAKIMA CO	188,823	7.1	.	.	.	72	.
907	WV BERKELEY CO	59,253	.	0.02	.	.	.	.
908	WV BROOKE CO	26,992	.	.	.	.	77	116
909	WV CABELL CO	96,827	.	0.04	.	0.122	.	51
910	WV FAYETTE CO	47,952	.	.	.	.	57	.
911	WV GREENBRIER CO	34,693	.	.	0.005	0.104	.	34
912	WV HANCOCK CO	35,233	6.7	0.05	.	0.108	161	342
913	WV HARRISON CO	69,371	.	0.01	.	.	.	.
914	WV KANAWHA CO	207,619	2.4	0.02	0.0202	0.111	55	66
915	WV MARION CO	57,249	.	0.03	.	.	.	.
916	WV MARSHALL CO	37,356	.	.	.	.	196	.
917	WV MONONGALIA CO	75,509	.	0.02	.	.	56	108
918	WV OHIO CO	50,871	5	.	.	0.104	62	122
919	WV PUTNAM CO	42,835	.	.	.	.	57	.
920	WV WAYNE CO	41,636	.	.	.	.	53	152
921	WV WOOD CO	86,915	.	0.02	.	0.122	56	107
922	WI BROWN CO	194,594	.	.	.	0.112	.	46
923	WI COLUMBIA CO	45,088	.	.	.	.	105	.
924	WI DANE CO	367,085	4.6	.	.	0.1	55	48
925	WI DODGE CO	76,559	.	.	.	0.088	.	.
926	WI DOOR CO	25,690	.	.	.	0.121	.	.
927	WI DOUGLAS CO	41,758	.	.	.	.	50	.
928	WI FLORENCE CO	4,590	.	.	.	0.078	.	.
929	WI FOND DU LAC CO	90,083	.	.	.	0.091	.	.
930	WI JEFFERSON CO	67,783	.	.	.	0.098	.	.
931	WI KENOSHA CO	128,181	.	.	.	0.127	.	.
932	WI KEWAUNEE CO	18,878	.	.	.	0.12	.	.
933	WI MANITOWOC CO	80,421	.	.	0.0035	0.122	.	.
934	WI MARATHON CO	115,400	.	.	.	0.088	82	58
935	WI MILWAUKEE CO	959,275	3.9	0.05	0.0239	0.126	59	65
936	WI ONEIDA CO	31,679	.	.	.	0.076	.	153
937	WI OUTAGAMIE CO	140,510	.	.	.	0.105	.	.

Table A-11. Maximum Air Quality Concentrations by County, 1995 (continued)

State	County	1990 Population	CO	Pb	NO ₂	O ₃	PM-10	SO ₂
			8-hr (ppm)	QMAX (ugm)	AM (ppm)	2nd MAX (ppm)	2nd MAX (ugm)	24-hr (ugm)
938 WI	OZAUKEE CO	72,831	.	.	0.0085	0.126	.	.
939 WI	POLK CO	34,773	1.1	.	.	0.096	.	.
940 WI	RACINE CO	175,034	4.3	.	.	0.113	.	.
941 WI	ROCK CO	139,510	.	.	.	0.103	.	.
942 WI	ST CROIX CO	50,251	.	.	.	0.09	.	12
943 WI	SAUK CO	46,975	.	.	.	0.102	.	.
944 WI	SHEBOYGAN CO	103,877	.	.	.	0.122	.	.
945 WI	VERNON CO	25,617	.	.	.	0.085	41	.
946 WI	VILAS CO	17,707	.	.	.	.	29	.
947 WI	WALWORTH CO	75,000	.	.	.	0.1	.	.
948 WI	WASHINGTON CO	95,328	.	.	.	0.099	.	.
949 WI	WAUKESHA CO	304,715	2.9	.	.	0.102	72	.
950 WI	WINNEBAGO CO	140,320	.	.	.	0.098	.	.
951 WY	ALBANY CO	30,797	.	.	.	.	53	.
952 WY	CAMPBELL CO	29,370	.	.	.	.	112	.
953 WY	FREMONT CO	33,662	.	.	.	.	94	.
954 WY	LARAMIE CO	73,142	.	.	.	.	36	.
955 WY	NATRONA CO	61,226	.	.	.	.	42	.
956 WY	PARK CO	23,178	.	.	.	.	36	.
957 WY	SHERIDAN CO	23,562	.	.	.	.	124	.
958 WY	SWEETWATER CO	38,823	.	.	.	.	82	.
959 WY	TETON CO	11,172	.	.	.	0.065	77	.

CO = Highest second maximum non-overlapping 8-hour concentration (*Applicable NAAQS is 9 ppm*)

Pb = Highest quarterly maximum concentration (*Applicable NAAQS is 1.5 ug/m³*)

NO₂ = Highest arithmetic mean concentration (*Applicable NAAQS is 0.053 ppm*)

O₃ = Highest second daily maximum 1-hour concentration (*Applicable NAAQS is 0.12 ppm*)

PM-10 = Highest second maximum 24-hour concentration (*Applicable NAAQS is 150 ug/m³*)

Data from exceptional events not included.

SO₂ = Highest second maximum 24-hour concentration (*Applicable NAAQS is 365 ug/m³*)

WTD = Weighted

AM = Annual mean

UGM = Units are micrograms per cubic meter

PPM = Units are parts per million

Note: The reader is cautioned that this summary is not adequate in itself to numerically rank MSAs according to their air quality. The monitoring data represent the quality of air in the vicinity of the monitoring site but may not necessarily represent urban-wide air quality.

Table A-12. Operating Surface PAMS Sites – Ozone Summary, 1995

Area – Site	Site Type	1994		# Exceedances		1995	
		Total Exceed.	Absolute Max. (ppb)	All months	Summer	All mo. (ppb)	Absolute Max Occurred
Atlanta – Conyers	3	0	124	5	4	166	M7 D15 H17
Atlanta – South DeKalb	2	0	122	8	8	171	M8 D18 H13
Atlanta – Tucker	2	(ND)	(ND)	3	3	149	M8 D18 H16
Atlanta – Sites reporting both years		0		13			
Baltimore – Aldino	3	5	141	7	7	179	M7 D15 H15
Baltimore – Essex	2	0	120	4	4	137	M6 D19 H17
Baltimore – Fort Meade	1	5	163	4	4	174	M7 D15 H14
Baltimore – Lums Pond	4	2	134	5	5	184	M7 D15 H17
Baltimore – Morgan State	2	(ND)	(ND)	6	6	156	M6 D20 H16
Baltimore – Sites reporting both years		12		20			
Baton Rouge – Bayou Plaquemine	1/3	0	123	2	2	130	M7 D28 H11
Baton Rouge – Capitol	2	2	143	2	2	143	M6 D27 H13
Baton Rouge – New Pride	1/3	(ND)	(ND)	1	0	148	M7 D16 H14
Baton Rouge – Pride	1/3	0	97	0	0	96	M5 D23 H15
Baton Rouge – Sites reporting both years		2		4			
Beaumont – Pt. Arthur	2	0	105	5	2	155	M4 D12 H13
Beaumont – Sites reporting both years		0		5			
Boston – Arcadia National Park	4	(ND)	(ND)	1	1	134	M8 D 1 H19
Boston – Borderland	1	(ND)	(ND)	0	0	89	M8 D31 H14
Boston – Lynn	2	1	130	1	1	125	M8 D 1 H21
Boston – Newbury	3	0	101	1	1	125	M8 D10 H16
Boston – Sites reporting both years		1		2			
Connecticut – Cape Eliz., ME	4	1	148	1	1	161	M8 D 1 H16
Connecticut – E. Hartford	2	2	169	2	2	138	M7 D13 H16
Connecticut – Stafford	3	1	129	2	2	131	M6 D30 H17
Connecticut – Sites reporting both years		4		5			
El Paso – Ascarte Park	1	5	153	1	1	134	M7 D27 H12
El Paso – Chamizal	2	0	120	3	0	126	M9 D 6 H11
El Paso – N. Campbell	2	2	131	1	0	130	M9 D 6 H11
El Paso – UTEP	3	1	152	0	0	120	M9 D 6 H11
El Paso – Sites reporting both years		8		5			
Houston – Aldine	1	12	172	11	9	189	M6 D 1 H17
Houston – Clinton Dr.	2	4	150	14	6	187	M9 D 7 H13
Houston – Deer Park	2	6	169	18	14	218	M9 D 3 H13
Houston – NW Harris	4	14	173	9	3	165	M6 D27 H14
Houston – Sites reporting both years		36		52			
Lake Michigan – Braidwood	1	(ND)	(ND)	0	0	116	M6 D23 H15
Lake Michigan – Camp Logan	4	1	132	0	0	114	M7 D30 H17
Lake Michigan – Chicago-Jardine	2	(ND)	(ND)	2	2	143	M8 D12 H16
Lake Michigan – Gary	2	(ND)	(ND)	0	0	116	M7 D14 H13
Lake Michigan – Harrington Beach	3	1	175	2	2	143	M7 D31 H15
Lake Michigan – Holland	3	0	121	4	4	178	M7 D13 H15
Lake Michigan – Manitowoc	4	2	163	1	1	126	M7 D31 H16
Lake Michigan – Milwaukee	2	2	148	0	0	124	M7 D30 H17
Lake Michigan – Sites reporting both years		5		7			
New York – Bronx Botanical G	2	(ND)	(ND)	1	1	131	M7 D14 H14
New York – New Brunswick	1	0	63	5	5	150	M7 D27 H15
New York – Sites reporting both years		0		5			
Philadelphia – East Lycoming	2	0	110	0	0	120	M7 D15 H13
Philadelphia – Lums Pond	1	2	134	5	5	184	M7 D15 H17

Table A-12. Operating Surface PAMS Sites – Ozone Summary, 1995 (continued)

Area – Site	Site Type	1994		1995			
		Total Exceed.	Absolute Max. (ppb)	# Exceedances	All months	Summer	All mo. (ppb)
Philadelphia – New Brunswick	4	0	63	5	5	150	M7 D27 H15
Philadelphia – Rider College	3	4	144	4	4	134	M7 D25 H14
Philadelphia – Sites reporting both years		6		14			
Portsmouth – Kittery, ME	2	(ND)	(ND)	3	3	127	M6 D30 H15
Portsmouth – Sites reporting both years							
Providence – E. Providence	2	1	141	2	2	145	M7 D14 H19
Providence – Truro	4	0	111	3	3	143	M6 D19 H16
Providence – W. Greenwich	1	1	152	3	3	157	M7 D14 H17
Providence – Sites reporting both years		2		8			
Sacramento – Del Paso	2	1	145	7	5	154	M7 D31 H12
Sacramento – Elk Grove – Bruceville	1	0	110	0	0	120	M9 D19 H13
Sacramento – Folsom	3	6	143	7	6	156	M9 D19 H16
Sacramento – Sites reporting both years		7		14			
San Diego – Alpine	3	9	147	9	5	146	M6 D11 H12
San Diego – El Cajon	2	0	110	1	1	135	M7 D11 H14
San Diego – Overland	2	0	102	0	0	120	M7 D27 H15
San Diego – Sites reporting both years		9		10			
San Joaquin – Arvin	3	17	147	19	15	151	M7 D27 H14
San Joaquin – Clovis-Villa	2	9	144	7	7	152	M8 D 1 H13
San Joaquin – Golden St. Av.	2	0	122	1	1	126	M8 D 3 H11
San Joaquin – Parlier	3	3	130	9	9	143	M9 D14 H16
San Joaquin – Sites reporting both years		29		36			
South Coast/SEDAB – Azusa	3	72	251	63	50	212	M7 D29 H13
South Coast/SEDAB – Banning	2	25	196	14	12	176	M7 D24 H17
South Coast/SEDAB – Pico Rivera	2	21	218	17	13	180	M9 D 2 H12
South Coast/SEDAB – Upland	4	79	253	66	49	235	M9 D 2 H14
South Coast/SEDAB – Sites reporting both years		197		160			
Springfield – Agawam	1	1	125	2	2	136	M7 D13 H18
Springfield – Chicopee	2	2	128	2	2	140	M6 D30 H17
Springfield – Ware	3	3	132	2	2	138	M6 D30 H17
Springfield – Sites reporting both years		6		6			
Ventura Co. – El Rio	2	0	115	0	0	124	M10 D2 H13
Ventura Co. – Simi Valley	3	15	164	22	16	169	M7 D29 H14
Ventura Co. – Sites reporting both years		15		22			
Washington – Corbin	1	0	101	0	0	109	M8 D18 H15
Washington – Fort Meade	3	5	163	4	4	174	M7 D15 H14
Washington – Lums Pond	4	2	134	5	5	184	M7 D15 H17
Washington – McMillan Reserv.	2	2	135	1	1	155	M7 D15 H12
Washington – Sites reporting both years		9		10			
Total – Sites reporting both years		345	139.9	388		149.5	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of			
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.	
NITRIC OXIDE (ppb)														
Composite average	1995	All	Sites = 31		7.1	20.2	32.1							
	1994	All			7.3	19.7	31.0							
Composite average	1995	1	Sites = 3		5.3	14.7	24.8							
	1994	1			8.0	18.0	27.8							
Composite average	1995	2	Sites = 16		8.1	22.0	36.2							
	1994	2			8.9	21.9	35.7							
Composite average	1995	3	Sites = 10		5.7	17.9	27.0							
	1994	3			5.2	16.4	24.6							
Composite average	1995	4	Sites = 5		6.8	18.1	28.2							
	1994	4			6.7	18.2	26.7							
Atlanta–South DeKalb	1995	2	2176 1-hr	276 1-hr	13.3	32.6	49.5	0	295.0	M6 D15 H 7	25.6	47.9	60.3	
	1994	2												
Atlanta–Tucker	1995	2	1973 1-hr	251 1-hr	6.4	11.9	16.5	6	96.0	M6 D23 H 6	6.2	14.4	16.8	
	1994	2												
Atlanta–Conyers	1995	3	2142 1-hr	273 1-hr	3.5	7.1	10.3	0	46.0	M8 D30 H 7	3.4	7.9	10.2	
	1994	3												
Baltimore–Fort Meade	1995	1	2092 1-hr	264 1-hr	3.0	9.1	16.0	6	70.0	M7 D31 H 6	6.8	13.2	16.7	
	1994	1												
Baltimore–Essex	1995	2	2058 1-hr	271 1-hr	10.8	22.6	52.0	6	213.0	M8 D23 H 22	22.0	27.7	46.0	
	1994	2			2.5	7.0	14.2	7	63.0	M6 D 1 H 2	5.4	8.7	11.9	
Baltimore–Morgan State	1995	2	2143 1-hr	260 1-hr										
	1994	2												
Baltimore–Aldino	1995	3	2189 1-hr	276 1-hr	1.3	3.2	5.8	6	32.0	M8 D 8 H 5	1.9	3.2	4.9	
	1994	3												
Baltimore–Lums Pond	1995	4	2111 1-hr	273 1-hr	7.2	17.0	28.9	7	111.0	M6 D 5 H 5	11.5	21.8	26.2	
	1994	4			9.4	18.9	28.2	6	156.0	M8 D 9 H 6	12.0	24.9	31.1	
Baton Rouge–Prude	1995	1/3	2057 1-hr	270 1-hr	1.8	3.0	4.4	6	18.0	M6 D 4 H 7	1.4	2.1	2.6	
	1994	1/3			276 1-hr	0.6	1.9	3.0	5	16.0	M7 D24 H11	1.3	2.0	2.6
Baton Rouge–New Prude	1995	1/3	2093 1-hr											
	1994	1/3												
Baton Rouge–Bayou Plaquemine	1995	1/3	2116 1-hr	276 1-hr	2.8	6.7	12.2	6	45.0	M6 D14 H 1	4.1	6.7	9.2	
	1994	1/3			276 1-hr	5.8	10.5	15.8	5	48.0	M6 D 4 H 5	5.4	7.3	8.8
Baton Rouge–Capitol	1995	2	2104 1-hr	276 1-hr	6.4	17.1	31.4	6	144.0	M6 D26 H23	12.9	18.8	26.5	
	1994	2			274 1-hr	8.6	22.7	36.1	6	115.0	M8 D10 H 0	12.4	19.9	25.2
Boston–Lynn	1995	2	2153 1-hr	266 1-hr	2.8	6.3	10.4	6	56.0	M8 D 8 H 6	4.1	7.3	9.6	
	1994	2			266 1-hr	2.4	5.2	9.4	6	64.0	M8 D31 H11	3.9	5.3	9.4
Boston–Newbury	1995	3	2163 1-hr	267 1-hr	0.4	1.4	2.9	0	20.0	M8 D21 H 6	1.4	3.0	4.2	
	1994	3												
Connecticut–E. Hartford	1995	2	2186 1-hr	274 1-hr	3.3	11.6	19.0	6	92.0	M8 D31 H 6	8.6	16.0	19.0	
	1994	2			253 1-hr	12.2	21.4	31.5	6	213.0	M8 D11 H 4	29.0	33.3	39.5
Connecticut–Stafford	1995	3	2040 1-hr	256 1-hr	0.4	1.9	3.9	6	37.0	M8 D31 H 6	1.9	4.6	6.3	
	1994	3												
Connecticut–Cape Eliz., ME	1995	4	1902 1-hr	250 1-hr	0.5	1.2	2.3	7	8.8	M6 D29 H 8	1.0	1.5	2.1	
	1994	4			274 1-hr	0.5	1.0	2.2	7	10.2	M6 D11 H 5	0.8	1.2	1.7
Dallas–Hinton	1995	2	1868 1-hr	246 1-hr	9.0	28.1	40.3	6	232.0	M6 D13 H 6	18.1	34.5	44.1	
	1994	2												
El Paso–N. Campbell	1995	2	1717 1-hr	231 1-hr	18.5	32.5	51.5	6	210.0	M7 D 5 H21	18.8	22.0	34.9	
	1994	2			270 1-hr	18.9	37.2	57.1	6	150.0	M6 D26 H22	17.2	23.8	29.5
El Paso–UTEP	1995	3	1945 1-hr	257 1-hr	8.7	17.2	39.7	6	166.0	M7 D26 H 6	15.9	20.4	32.5	
	1994	3			233 1-hr	5.7	14.9	25.4	6	163.0	M6 D30 H 6	10.4	20.0	25.6
Houston–Aldine	1995	1	2068 1-hr	275 1-hr	6.0	20.3	33.2	6	160.0	M6 D15 H 6	14.0	24.5	31.2	
	1994	1			255 1-hr	8.9	24.6	39.5	6	141.0	M6 D17 H 6	13.8	22.2	28.2
Houston–Clinton Dr.	1995	2	1868 1-hr	261 1-hr	10.7	34.1	48.2	6	227.0	M8 D28 H 6	19.8	35.8	42.2	
	1994	2			248 1-hr	11.2	29.1	43.0	6	124.0	M8 D19 H 6	14.4	24.2	26.2
Lake Michigan–Braidwood	1995	1	2134 1-hr	271 1-hr	0.8	2.0	3.4	6	36.0	M7 D14 H 3	1.6	2.2	3.8	
	1994	1												
Lake Michigan–Chicago	1995	2	2149 1-hr	271 1-hr	40.2	66.1	103.8	7	262.0	M8 D17 H 7	33.3	47.4	48.6	
	1994	2			250 1-hr	5.3	12.5	26.9	7	110.0	M7 D21 H23	10.4	16.9	24.7
Lake Michigan–Gary	1995	2	1305 1-hr	167 1-hr	13.6	21.5	66.0	5	216.0	M7 D19 H 1	26.5	28.9	55.4	
	1994	2												
Lake Michigan–Milwaukee	1995	2	2139 1-hr	270 1-hr	3.2	5.8	18.4	0	173.0	M7 D10 H 0	9.8	9.9	30.4	
	1994	2			276 1-hr	4.3	8.6	23.1	6	201.0	M8 D 6 H 0	12.4	13.4	35.0
Lake Michigan–Holland	1995	3	1419 1-hr	186 1-hr	1.2	3.3	7.5	6	50.0	M7 D10 H 6	3.1	6.7	10.7	
	1994	3												
Lake Michigan–Harrington B	1995	3	2077 1-hr	276 1-hr	1.2	1.8	3.1	0	40.0	M6 D 1 H 6	1.8	4.1	6.2	
	1994	3			241 1-hr	1.8	3.0	7.3	0	57.0	M8 D31 H20	3.5	4.9	10.1
Lake Michigan–Camp Logan	1995	4	2015 1-hr	258 1-hr	1.2	2.1	5.2	6	40.0	M8 D23 H 3	2.9	3.7	6.6	
	1994	4			243 1-hr	2.2	5.4	9.3	6	61.0	M8 D23 H 6	5.6	10.2	12.6
Lake Michigan–Manitowoc	1995	4	2037 1-hr	270 1-hr	5.0	5.0	5.1	0	10.0	M7 D19 H 7	0.1	0.3	0.5	
	1994	4												
New York–New Brunswick	1995	1	2181 1-hr	276 1-hr	5.2	15.2	25.0	6	109.0	M6 D 5 H 7	11.8	22.3	28.6	
	1994	1												

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
NITRIC OXIDE (ppb) - (continued)													
New York–Bronx Bot. Garden	1995	2	2170 1-hr	276 1-hr	11.0	19.3	45.7	7	255.0	M8 D31 H 0	19.3	26.1	42.3
	1994	2											
Philadelphia–Lums Pond	1995	1	2111 1-hr	273 1-hr	7.2	17.0	28.9	7	111.0	M6 D 5 H 5	11.5	21.8	26.2
	1994	1	2018 1-hr	259 1-hr	9.4	18.9	28.2	6	156.0	M8 D 9 H 6	12.0	24.9	31.1
Philadelphia–East Lycoming	1995	2	2157 1-hr	276 1-hr	4.3	17.0	26.1	6	130.0	M6 D 1 H 6	11.3	21.7	24.2
	1994	2	1903 1-hr	239 1-hr	9.0	23.5	34.7	6	120.0	M8 D24 H 6	14.5	22.3	27.3
Philadelphia–Rider University	1995	3	2175 1-hr	276 1-hr	5.5	14.3	27.6	6	163.0	M6 D 1 H 5	12.5	22.0	29.5
	1994	3											
Philadelphia–New Brunswick	1995	4	2181 1-hr	276 1-hr	5.2	15.2	25.0	6	109.0	M6 D 5 H 7	11.8	22.3	28.6
	1994	4											
Sacramento–Elk Grove–Bruce	1995	1	2042 1-hr	276 1-hr	1.6	6.0	8.8	6	49.0	M7 D31 H 6	4.2	8.8	10.3
	1994	1											
Sacramento–Del Paso	1995	2	2072 1-hr	274 1-hr	6.4	8.3	31.4	6	185.0	M9D30H9	15.9	16.8	35.9
	1994	2	2047 1-hr	262 1-hr	2.0	5.8	14.3	6	104.0	M8 D13 H18	8.1	11.8	20.6
Sacramento–Folsom	1995	3	2004 1-hr	254 1-hr	2.6	9.8	16.8	5	81.0	M9 D 7 H 6	7.0	13.5	17.4
	1994	3	2057 1-hr	259 1-hr	2.1	9.7	16.1	6	68.0	M8 D16 H 6	6.5	13.5	17.1
San Diego–El Cajon	1995	2	2069 1-hr	270 1-hr	5.8	16.1	23.3	6	97.0	M8 D30 H 7	8.5	15.4	18.2
	1994	2	2105 1-hr	274 1-hr	6.3	15.5	22.5	7	102.0	M9 D27 H 6	9.7	17.6	21.7
San Diego–Overland	1995	2	2169 1-hr	270 1-hr	9.4	28.5	47.5	8	332.0	M8 D29 H 6	19.7	45.2	52.6
	1994	2	2016 1-hr	265 1-hr	9.5	21.8	44.2	6	208.0	M8 D15 H 6	17.7	37.8	44.5
San Diego–Alpine	1995	3	2182 1-hr	273 1-hr	2.6	6.6	12.6	7	57.0	M8 D21 H 6	3.7	7.4	9.8
	1994	3	2068 1-hr	261 1-hr	3.0	8.2	15.4	7	56.0	M7 D18 H 7	4.5	8.0	10.6
San Joaquin–Clovis–Villa	1995	2	2001 1-hr	264 1-hr	2.0	10.6	16.9	6	101.0	M9 D21 H 6	6.7	14.7	18.8
	1994	2	2097 1-hr	275 1-hr	2.8	12.0	18.7	6	94.0	M9 D16 H 6	7.2	13.1	18.2
San Joaquin–Golden St. Av.	1995	2	2075 1-hr	272 1-hr	9.2	30.5	51.9	6	169.0	M9 D18 H 6	16.5	28.6	34.4
	1994	2	1973 1-hr	258 1-hr	11.0	33.2	55.7	6	183.0	M8 D30 H 6	18.3	28.0	32.6
San Joaquin–Parlier	1995	3	2093 1-hr	276 1-hr	1.8	8.4	12.2	6	61.0	M9 D11 H 5	4.6	9.1	11.5
	1994	3	2094 1-hr	274 1-hr	2.4	9.8	15.5	6	50.0	M8 D15 H 6	5.2	8.7	10.5
San Joaquin–Arvin	1995	3	2112 1-hr	276 1-hr	1.0	4.0	7.5	6	42.0	M8 D 3 H 6	2.7	6.3	8.9
	1994	3	1971 1-hr	261 1-hr	2.5	9.1	14.5	6	58.0	M7 D 6 H 5	4.4	9.0	11.2
South Coast/SEDAB–Pico Riv	1995	2	2088 1-hr	273 1-hr	32.1	95.0	135.8	5	450.0	M8 D28 H 6	51.9	93.7	98.0
	1994	2	2110 1-hr	276 1-hr	29.1	80.3	115.0	6	372.0	M9 D28 H 6	48.2	84.6	92.6
South Coast/SEDAB–Azusa	1995	3	2113 1-hr	276 1-hr	21.8	69.2	88.4	6	233.0	M8 D25 H 6	30.4	46.4	53.0
	1994	3	2116 1-hr	276 1-hr	18.1	53.8	69.8	6	263.0	M9 D26 H 6	28.9	52.6	59.1
South Coast/SEDAB–Upland	1995	4	2100 1-hr	276 1-hr	18.0	53.3	75.7	5	165.0	M9 D22 H 6	23.9	38.6	39.4
	1994	4	2095 1-hr	271 1-hr	11.9	47.1	65.8	6	152.0	M9 D20 H 6	22.0	34.9	38.2
Springfield–Chicopee	1995	2	2183 1-hr	275 1-hr	3.3	7.3	12.6	6	73.0	M6 D15 H22	5.1	8.3	13.9
	1994	2	2000 1-hr	253 1-hr	2.6	5.4	9.1	6	53.0	M6 D 9 H 6	3.5	7.0	9.7
Springfield–Ware	1995	3	2170 1-hr	273 1-hr	2.4	2.7	3.3	0	7.0	M6 D30 H 7	0.7	0.9	1.1
	1994	3	2185 1-hr	276 1-hr	1.0	1.1	2.3	0	68.0	M8 D23 H10	1.5	0.6	6.6
Ventura Co.–El Rio	1995	2	1816 1-hr	237 1-hr	4.4	14.7	22.3	6	102.0	M8 D29 H 6	8.5	17.7	19.8
	1994	2	1944 1-hr	255 1-hr	4.0	13.3	19.4	6	97.0	M9 D26 H 7	7.7	15.9	17.6
Ventura Co.–Simi Valley	1995	3	1913 1-hr	253 1-hr	12.5	52.7	74.0	6	197.0	M8 D25 H 5	24.6	44.3	47.5
	1994	3	2084 1-hr	276 1-hr	9.9	43.6	63.8	6	222.0	M9 D26 H 6	22.5	44.2	52.8
Washington–Corbin	1995	1	2160 1-hr	276 1-hr	1.5	2.1	2.8	0	10.0	M8 D11 H 5	1.5	2.0	2.4
	1994	1	2164 1-hr	276 1-hr	0.8	2.1	2.9	6	20.0	M8 D30 H 6	1.6	3.0	3.5
Washington–McMillan Reserv	1995	2	2139 1-hr	271 1-hr	7.5	16.7	32.7	7	171.0	M7 D20 H 6	13.0	20.0	31.7
	1994	2	1618 1-hr	204 1-hr	7.8	16.3	36.7	7	174.0	M8 D24 H 7	17.5	29.6	43.5
Washington–Fort Meade	1995	3	2092 1-hr	264 1-hr	3.0	9.1	16.0	6	70.0	M7 D31 H 6	6.8	13.2	16.7
	1994	3											
Washington–Lums Pond	1995	4	2111 1-hr	273 1-hr	7.2	17.0	28.9	7	111.0	M6 D 5 H 5	11.5	21.8	26.2
	1994	4	2018 1-hr	259 1-hr	9.4	18.9	28.2	6	156.0	M8 D 9 H 6	12.0	24.9	31.1
NITROGEN DIOXIDE (ppb)													
Composite average	1995	All	Sites = 34		18.5	21.5	35.3						
	1994	All			17.8	20.7	33.6						
Composite average	1995	1	Sites = 3		11.2	13.2	23.5						
	1994	1			9.0	9.9	20.1						
Composite average	1995	2	Sites = 18		19.6	23.0	38.0						
	1994	2			19.2	22.2	35.8						
Composite average	1995	3	Sites = 11		16.5	19.4	31.2						
	1994	3			16.1	19.2	31.3						
Composite average	1995	4	Sites = 5		18.6	20.4	33.2						
	1994	4			16.2	18.4	30.8						
Atlanta–South DeKalb	1995	2	2176 1-hr	276 1-hr	10.8	10.3	27.9	0	84.0	M8 D15 H19	9.9	7.0	14.3
	1994	2	1708 1-hr	216 1-hr	9.5	8.4	23.0	19	47.0	M8 D27 H 9	7.2	5.8	9.8
Atlanta–Tucker	1995	2	1974 1-hr	251 1-hr	13.4	17.6	28.3	21	51.0	M8 D18 H21	9.4	9.2	11.4
	1994	2											
Atlanta–Conyers	1995	3	2142 1-hr	273 1-hr	4.6	4.4	8.2	0	28.0	M6 D19 H10	2.5	2.1	4.6
	1994	3	1545 1-hr	197 1-hr	4.6	4.3	11.4	9	31.0	M8 D 5 H21	3.3	2.7	6.5
Baltimore–Fort Meade	1995	1	2092 1-hr	264 1-hr	10.5	14.2	23.9	0	50.0	M8 D30 H 3	8.0	9.1	9.6
	1994	1											
Baltimore–Essex	1995	2	2060 1-hr	271 1-hr	20.7	25.1	41.3	23	81.0	M6 D16 H 0	12.3	11.0	12.3
	1994	2											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
NITROGEN DIOXIDE (ppb) - (continued)													
Baltimore–Morgan State	1995	2	2143 1-hr	260 1-hr	15.7	18.7	32.7	0	90.0	M8 D16 H14	9.7	9.2	11.0
	1994	2											
Baltimore–Aldino	1995	3	2189 1-hr	276 1-hr	9.8	11.9	19.8	20	42.0	M6 D 2 H19	5.6	5.4	7.8
	1994	3											
Baltimore–Lums Pond	1995	4	2117 1-hr	273 1-hr	13.7	16.4	26.3	21	53.0	M7 D21 H22	7.0	6.2	9.1
	1994	4	1419 1-hr	226 1-hr	10.8	11.6	24.2	22	64.0	M6 D16 H12	7.8	6.7	12.1
Baton Rouge–Prude	1995	1/3											
	1994	1/3	2060 1-hr	270 1-hr	4.0	4.2	8.3	20	22.0	M7 D15 H18	2.5	2.1	3.8
Baton Rouge–New Prude	1995	1/3	2080 1-hr	276 1-hr	3.7	4.0	7.0	7	15.0	M6 D25 H22	1.8	1.7	2.8
	1994	1/3											
Baton Rouge–Bayou Plaquemine	1995	1/3	2090 1-hr	276 1-hr	5.5	6.2	13.1	7	40.0	M8 D30 H 8	3.8	3.4	6.3
	1994	1/3	2065 1-hr	276 1-hr	4.9	5.7	11.8	19	43.0	M8 D25 H 9	3.3	3.3	5.9
Baton Rouge–Capitol	1995	2	2089 1-hr	276 1-hr	16.7	21.0	35.6	21	64.0	M6 D26 H21	11.2	10.3	11.9
	1994	2	2089 1-hr	274 1-hr	16.7	19.3	32.2	20	67.0	M7 D24 H20	9.1	8.0	9.3
Boston–Lynn	1995	2	2107 1-hr	260 1-hr	15.3	17.8	30.4	21	74.0	M8 D 9 H22	8.6	8.7	11.4
	1994	2	2143 1-hr	266 1-hr	16.6	18.5	32.7	0	62.0	M8 D 2 H20	9.1	8.3	10.2
Boston–Newbury	1995	3	2163 1-hr	267 1-hr	4.4	5.5	12.1	0	25.0	M7 D11 H 7	4.1	4.2	5.4
	1994	3											
Connecticut–E. Hartford	1995	2	2186 1-hr	274 1-hr	13.6	16.8	27.7	0	59.0	M7 D21 H22	9.6	9.6	11.2
	1994	2	2033 1-hr	253 1-hr	15.9	19.4	30.0	0	47.0	M8 D16 H20	9.6	9.2	9.2
Connecticut–Stafford	1995	3	1999 1-hr	253 1-hr	5.9	7.5	15.0	5	45.0	M7 D30 H12	4.9	5.6	8.2
	1994	3											
Connecticut–Cape Eliz., ME	1995	4	950 1-hr	123 1-hr	3.8	4.7	8.9	0	22.2	M8 D21 H17	2.9	2.8	4.2
	1994	4	2077 1-hr	274 1-hr	1.6	1.9	3.8	22	10.2	M8 D 7 H 0	1.3	1.4	2.0
Dallas–Hinton	1995	2	1868 1-hr	246 1-hr	19.7	27.8	39.6	21	90.0	M8 D27 H21	14.0	14.7	16.7
	1994	2											
EI Paso–N. Campbell	1995	2	1437 1-hr	194 1-hr	29.9	34.7	52.7	20	187.0	M6 D24 H19	15.5	13.4	22.8
	1994	2	2044 1-hr	270 1-hr	28.5	35.7	49.7	7	119.0	M6 D30 H 8	11.9	11.6	14.2
EI Paso–UTEP	1995	3	1945 1-hr	257 1-hr	19.7	26.3	42.9	0	92.0	M6 D28 H17	12.4	11.9	14.9
	1994	3	1769 1-hr	233 1-hr	18.2	26.4	39.8	7	105.0	M6 D30 H 8	11.2	12.2	13.8
Houston–Aldine	1995	1	2040 1-hr	269 1-hr	14.2	17.1	31.2	22	66.0	M6 D21 H22	10.5	9.5	13.9
	1994	1	2065 1-hr	270 1-hr	11.1	12.4	24.4	0	51.0	M7 D28 H22	8.8	6.7	11.0
Houston–Clinton Dr.	1995	2	1868 1-hr	261 1-hr	19.3	24.3	36.3	0	86.0	M8 D29 H20	11.7	13.2	15.8
	1994	2	1762 1-hr	248 1-hr	19.0	21.4	32.4	6	75.0	M6 D21 H13	9.8	7.8	12.8
Lake Michigan–Braidwood	1995	1	2134 1-hr	271 1-hr	6.2	7.7	14.3	0	48.0	M6 D 3 H 3	5.5	4.9	8.4
	1994	1											
Lake Michigan–Chicago	1995	2											
	1994	2	2149 1-hr	271 1-hr	34.2	37.3	54.4	8	101.0	M6 D20 H15	15.9	16.0	16.0
Lake Michigan–Chicago–Jardine	1995	2	1959 1-hr	250 1-hr	19.9	24.3	41.4	0	83.0	M6 D17 H22	14.7	16.3	17.3
	1994	2											
Lake Michigan–Gary	1995	2	1331 1-hr	168 1-hr	17.3	20.7	37.4	0	65.0	M7 D10 H20	12.1	9.1	10.7
	1994	2											
Lake Michigan–Milwaukee	1995	2	2139 1-hr	270 1-hr	15.3	17.8	33.4	0	77.0	M6 D 2 H19	10.3	9.7	14.7
	1994	2	2190 1-hr	276 1-hr	15.5	18.5	32.3	23	62.0	M6 D11 H 0	10.7	10.6	12.5
Lake Michigan–Holland	1995	3	1419 1-hr	186 1-hr	4.7	7.3	12.5	0	29.0	M7 D26 H10	4.9	5.8	7.4
	1994	3											
Lake Michigan–Harrington B	1995	3	2077 1-hr	276 1-hr	7.5	8.6	20.2	3	78.0	M6 D 1 H21	7.7	8.4	12.7
	1994	3	1923 1-hr	241 1-hr	12.2	12.9	32.9	0	96.0	M6 D10 H20	12.3	11.2	18.7
Lake Michigan–Camp Logan	1995	4	2015 1-hr	258 1-hr	7.5	8.9	17.7	23	49.0	M7 D22 H 4	6.5	6.8	9.5
	1994	4	1936 1-hr	242 1-hr	9.5	11.8	22.9	23	65.0	M8 D23 H10	8.4	8.3	12.7
Lake Michigan–Manitowoc	1995	4	2037 1-hr	270 1-hr	2.9	3.2	7.5	0	18.0	M7 D22 H 9	2.3	2.4	4.2
	1994	4											
New York–New Brunswick	1995	1	2181 1-hr	276 1-hr	15.0	19.8	31.7	7	69.0	M8 D17 H20	10.0	10.1	12.1
	1994	1											
New York–Bronx Bot. Garden	1995	2	2170 1-hr	276 1-hr	30.7	30.8	54.5	0	101.0	M6 D 7 H23	14.8	13.1	16.1
	1994	2											
Philadelphia–Lums Pond	1995	1	2117 1-hr	273 1-hr	13.7	16.4	26.3	21	53.0	M7 D21 H22	7.0	6.2	9.1
	1994	1	1419 1-hr	226 1-hr	10.8	11.6	24.2	22	64.0	M6 D16 H12	7.8	6.7	12.1
Philadelphia–East Lycoming	1995	2	2157 1-hr	276 1-hr	24.8	29.2	44.6	0	70.0	M6 D 5 H 8	11.8	12.9	12.9
	1994	2	2124 1-hr	269 1-hr	24.6	29.2	44.0	0	70.0	M6 D 9 H21	12.4	12.1	13.3
Philadelphia–Rider University	1995	3	2175 1-hr	276 1-hr	12.3	15.5	25.8	0	53.0	M8 D20 H20	7.7	7.1	8.3
	1994	3											
Philadelphia–New Brunswick	1995	4	2181 1-hr	276 1-hr	15.0	19.8	31.7	7	69.0	M8 D17 H20	10.0	10.1	12.1
	1994	4											
Providence–W. Greenwich	1995	1	2077 1-hr	270 1-hr	4.4	3.6	8.5	8	23.0	M6 D16 H20	2.7	2.2	4.4
	1994	1											
Providence–E. Providence	1995	2	2097 1-hr	275 1-hr	10.6	14.8	23.3	6	50.0	M7 D27 H22	7.2	8.6	8.7
	1994	2	2053 1-hr	245 1-hr	11.2	14.8	23.0	7	49.0	M8 D 1 H 7	7.0	8.3	9.4
Sacramento–Elk Grove–Bruce	1995	1	2042 1-hr	276 1-hr	6.2	7.4	16.6	0	46.0	M9 D11 H18	6.6	5.8	9.5
	1994	1											
Sacramento–Del Paso	1995	2	2072 1-hr	275 1-hr	15.9	17.8	32.0	20	99.0	M9D19H7	11.8	13.1	17.9
	1994	2	2048 1-hr	263 1-hr	10.0	11.4	20.5	19	60.0	M9 D15 H19	7.6	6.6	11.7

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
NITROGEN DIOXIDE (ppb) - (continued)														
Sacramento-Folsom	1995	3	2005 1-hr	254 1-hr	13.1	16.1	27.9	5	117.0	M9 D19 H12	10.5	9.0	16.8	
	1994	3	2056 1-hr	258 1-hr	11.0	16.2	25.0	5	65.0	M8 D 5 H21	9.3	10.0	14.7	
San Diego-El Cajon	1995	2	2069 1-hr	270 1-hr	24.2	22.9	38.8	10	79.0	M9 D13 H 9	10.2	9.7	12.4	
	1994	2	2105 1-hr	274 1-hr	22.4	21.8	36.1	9	72.0	M9 D28 H 7	9.8	9.7	12.8	
San Diego-Overland	1995	2	2167 1-hr	270 1-hr	20.2	23.3	35.3	9	83.0	M9 D30 H19	9.6	9.9	12.4	
	1994	2	2200 1-hr	265 1-hr	19.4	20.9	32.9	9	71.0	M9 D26 H15	9.4	9.8	10.7	
San Diego-Alpine	1995	3	2182 1-hr	273 1-hr	15.0	14.7	32.6	20	73.0	M8 D10 H18	8.8	7.8	10.8	
	1994	3	2068 1-hr	261 1-hr	15.1	15.8	30.8	19	57.0	M8 D 5 H19	8.1	7.7	8.8	
San Joaquin-Clovis-Villa	1995	2	2001 1-hr	264 1-hr	15.0	22.8	34.0	19	85.0	M9 D 7 H19	11.1	11.5	16.3	
	1994	2	2097 1-hr	275 1-hr	17.6	26.2	36.5	19	101.0	M9 D16 H19	11.4	9.7	17.0	
San Joaquin-Golden St. Av.	1995	2	2075 1-hr	272 1-hr	29.6	39.4	60.2	21	90.0	M9 D 7 H 8	17.2	14.6	14.4	
	1994	2	1973 1-hr	258 1-hr	29.3	38.2	55.8	20	77.0	M9 D16 H20	15.6	11.1	10.2	
San Joaquin-Parlier	1995	3	2093 1-hr	276 1-hr	15.3	19.3	29.0	21	57.0	M9 D21 H19	7.8	6.3	7.7	
	1994	3	2094 1-hr	274 1-hr	17.9	20.5	33.1	20	55.0	M8 D17 H19	8.2	5.2	7.7	
San Joaquin-Arvin	1995	3	2112 1-hr	276 1-hr	7.8	15.1	20.4	6	50.0	M8 D30 H 6	5.4	9.1	10.4	
	1994	3	1970 1-hr	261 1-hr	10.9	18.6	23.8	6	52.0	M9 D20 H 6	5.5	7.9	8.2	
South Coast/SEDAB-Pico Riv	1995	2	2088 1-hr	273 1-hr	47.4	45.0	78.2	9	202.0	M8 D31 H10	19.0	16.0	32.4	
	1994	2	2110 1-hr	276 1-hr	41.6	39.9	69.4	9	172.0	M9 D28 H12	17.9	14.7	29.4	
South Coast/SEDAB-Azusa	1995	3	2113 1-hr	276 1-hr	57.7	56.3	85.2	9	155.0	M9 D15 H10	18.5	16.5	21.8	
	1994	3	2116 1-hr	276 1-hr	49.7	47.2	76.5	8	178.0	M9 D26 H11	19.2	18.3	27.4	
South Coast/SEDAB-Upland	1995	4	2100 1-hr	276 1-hr	54.4	55.6	86.5	9	143.0	M8 D 8 H 8	18.9	16.0	21.1	
	1994	4	2095 1-hr	271 1-hr	48.2	54.9	79.0	9	139.0	M8 D25 H 9	18.8	16.8	22.9	
Springfield-Chicopee	1995	2	2183 1-hr	275 1-hr	13.6	15.8	28.3	22	56.0	M7 D21 H 6	8.6	9.4	11.1	
	1994	2	2000 1-hr	253 1-hr	12.7	14.4	25.4	0	56.0	M8 D31 H16	7.6	7.6	8.3	
Springfield-Ware	1995	3	2170 1-hr	273 1-hr	6.5	7.2	12.0	0	26.0	M8 D10 H 5	4.0	5.2	5.5	
	1994	3	2184 1-hr	276 1-hr	6.3	6.7	11.4	0	34.0	M8 D 3 H14	3.8	3.8	5.0	
Ventura Co.-El Rio	1995	2	1816 1-hr	237 1-hr	14.3	18.7	26.2	8	127.0	M8 D28 H 6	7.2	10.3	13.3	
	1994	2	1944 1-hr	255 1-hr	13.0	16.9	24.2	8	89.0	M9 D16 H 0	7.0	8.0	11.4	
Ventura Co.-Simi Valley	1995	3	1913 1-hr	253 1-hr	28.7	39.4	52.3	7	97.0	M9 D15 H 7	14.2	13.4	13.1	
	1994	3	2084 1-hr	276 1-hr	25.9	36.8	48.4	7	85.0	M9 D15 H20	13.3	12.5	12.6	
Washington-Corbin	1995	1	2160 1-hr	276 1-hr	2.6	4.4	7.7	7	32.0	M6 D12 H15	3.1	3.6	5.0	
	1994	1	2164 1-hr	276 1-hr	3.1	5.0	8.2	7	22.0	M6 D 8 H 7	3.4	3.9	4.5	
Washington-McMillan Reserv	1995	2	2139 1-hr	271 1-hr	16.2	21.1	39.2	0	73.0	M7 D30 H22	12.3	11.8	14.0	
	1994	2	1597 1-hr	201 1-hr	22.6	24.5	44.7	22	93.0	M8 D 1 H 9	12.9	11.5	14.4	
Washington-Fort Meade	1995	3	2092 1-hr	264 1-hr	10.5	14.2	23.9	0	50.0	M8 D30 H 3	8.0	9.1	9.6	
	1994	3												
Washington-Lums Pond	1995	4	2117 1-hr	273 1-hr	13.7	16.4	26.3	21	53.0	M7 D21 H22	7.0	6.2	9.1	
	1994	4	1419 1-hr	226 1-hr	10.8	11.6	24.2	22	64.0	M6 D16 H12	7.8	6.7	12.1	
OXIDES OF NITROGEN (ppb)														
Composite average	1995	All	Sites = 31		25.6	41.7	61.3							
	1994	All			24.7	40.0	58.4							
Composite average	1995	1	Sites = 3		15.0	26.6	41.5							
	1994	1			15.2	26.8	40.9							
Composite average	1995	2	Sites = 16		27.6	44.7	67.4							
	1994	2			27.3	42.8	63.7							
Composite average	1995	3	Sites = 10		23.0	38.4	54.9							
	1994	3			22.1	36.9	52.8							
Composite average	1995	4	Sites = 5		24.1	37.2	52.7							
	1994	4			21.1	35.6	49.9							
Atlanta-South DeKalb	1995	2	2176 1-hr	276 1-hr	24.1	49.8	76.9	7	314.0	M6 D15 H 7	33.3	52.9	65.1	
	1994	2												
Atlanta-Tucker	1995	2	1992 1-hr	253 1-hr	15.5	27.4	40.0	6	121.0	M6 D23 H 6	13.6	21.4	21.9	
	1994	2												
Atlanta-Conyers	1995	3	2142 1-hr	273 1-hr	5.3	9.9	14.8	6	52.0	M6 D19 H 9	4.8	8.8	11.2	
	1994	3												
Baltimore-Fort Meade	1995	1	2092 1-hr	264 1-hr	13.5	23.6	37.4	6	108.0	M7 D31 H 6	12.3	19.8	21.4	
	1994	1												
Baltimore-Essex	1995	2												
	1994	2	2061 1-hr	271 1-hr	30.9	47.4	86.9	6	249.0	M8 D23 H22	29.9	35.0	50.1	
Baltimore-Morgan State	1995	2	2143 1-hr	260 1-hr	17.8	25.4	43.0	22	101.0	M6 D 1 H 2	12.8	15.5	18.2	
	1994	2												
Baltimore-Aldino	1995	3	2189 1-hr	276 1-hr	11.0	15.0	23.3	5	62.0	M8 D 1 H 8	6.6	7.6	9.8	
	1994	3												
Baltimore-Lums Pond	1995	4	2117 1-hr	273 1-hr	17.5	30.0	46.9	6	126.0	M6 D 5 H 5	15.3	24.1	26.6	
	1994	4	1988 1-hr	257 1-hr	15.9	28.1	43.6	6	166.0	M8 D 9 H 6	16.6	28.7	32.7	
Baton Rouge-Pride	1995	1/3												
	1994	1/3	2057 1-hr	270 1-hr	5.2	6.7	10.3	6	32.0	M6 D 4 H 7	2.9	3.4	4.5	
Baton Rouge-New Pride	1995	1/3	2093 1-hr	276 1-hr	3.5	5.1	8.3	5	24.0	M7 D24 H11	2.5	3.0	4.1	
	1994	1/3												
Baton Rouge-Bayou Plaquemine	1995	1/3	2115 1-hr	276 1-hr	7.4	12.2	21.0	6	75.0	M8 D30 H 8	6.3	7.7	11.2	
	1994	1/3	2086 1-hr	276 1-hr	10.3	15.9	23.7	5	55.0	M8 D25 H 8	6.6	7.8	9.1	
Baton Rouge-Capitol	1995	2	2103 1-hr	276 1-hr	25.0	40.2	64.4	6	202.0	M6 D26 H23	21.3	25.7	32.4	
	1994	2	2108 1-hr	274 1-hr	26.2	43.2	64.9	6	165.0	M8 D10 H 0	19.0	25.0	28.7	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
OXIDES OF NITROGEN (ppb) - (continued)													
Boston-Lynn	1995	2	2153 1-hr	266 1-hr	17.7	23.6	37.6	6	87.0	M8 D 8 H 6	10.8	14.0	16.4
Boston-Newbury	1994	2	2143 1-hr	266 1-hr	18.4	23.1	38.8	6	121.0	M8 D31 H11	11.1	12.1	15.6
Boston-Newbury	1995	3	2163 1-hr	267 1-hr	5.6	8.1	14.7	0	39.0	M8 D 9 H 7	4.9	6.5	7.5
Connecticut-E. Hartford	1995	2	2186 1-hr	274 1-hr	16.9	28.4	42.1	6	116.0	M8 D31 H 6	14.8	21.4	22.3
Connecticut-Stafford	1995	3	1999 1-hr	253 1-hr	28.1	40.7	57.1	6	227.0	M8 D11 H 4	32.1	35.8	40.3
Connecticut-Cape Eliz., ME	1995	4	949 1-hr	123 1-hr	4.3	6.1	10.5	7	22.8	M8 D21 H17	3.5	4.0	5.1
Dallas-Hinton	1995	2	2077 1-hr	274 1-hr	2.0	2.9	5.4	7	17.3	M6 D11 H 5	1.9	2.4	3.1
EI Paso-N. Campbell	1995	2	1705 1-hr	232 1-hr	48.6	68.0	101.3	6	304.0	M7 D 5 H21	33.1	34.2	53.9
EI Paso-UTEP	1995	3	1945 1-hr	257 1-hr	47.1	72.8	103.0	6	241.0	M6 D25 H21	27.1	33.9	40.3
Houston-Aldine	1995	1	2056 1-hr	233 1-hr	23.4	41.1	61.5	7	235.0	M6 D30 H 7	19.9	30.5	34.2
Houston-Clinton Dr.	1995	2	2065 1-hr	272 1-hr	20.2	37.6	56.4	6	207.0	M6 D15 H 6	19.5	28.7	34.4
Lake Michigan-Braidwood	1995	1	1863 1-hr	258 1-hr	30.1	58.6	76.6	6	268.0	M8 D28 H 6	25.7	41.0	46.2
Lake Michigan-Chicago	1995	2	2134 1-hr	248 1-hr	29.9	50.2	69.5	6	157.0	M6 D22 H 6	19.3	26.8	28.1
Lake Michigan-Chicago	1994	1	2149 1-hr	271 1-hr	7.0	9.7	16.6	5	56.0	M6 D 3 H 3	6.3	6.6	9.8
Lake Michigan-Chicago-Jardine	1995	2	1959 1-hr	250 1-hr	74.1	102.9	150.3	7	340.0	M8 D17 H 7	43.0	58.2	58.9
Lake Michigan-Gary	1995	2	1305 1-hr	167 1-hr	30.9	43.1	99.8	5	261.0	M7 D19 H 0	35.5	35.0	59.5
Lake Michigan-Milwaukee	1995	2	2139 1-hr	270 1-hr	18.0	23.6	49.4	7	220.0	M7 D10 H 0	17.4	17.7	38.6
Lake Michigan-Holland	1995	3	2190 1-hr	276 1-hr	19.0	26.8	51.6	6	225.0	M8 D 6 H 0	19.7	22.1	39.0
Lake Michigan-Harrington B	1995	3	2077 1-hr	276 1-hr	5.4	7.3	19.6	0	105.0	M6 D 1 H 6	8.8	12.5	16.4
Lake Michigan-Camp Logan	1994	3	1920 1-hr	241 1-hr	12.5	15.0	37.3	0	111.0	M6 D10 H20	14.3	15.0	23.4
Lake Michigan-Manitowoc	1995	4	2015 1-hr	258 1-hr	8.7	11.1	20.9	23	81.0	M8 D23 H 3	8.2	9.5	13.2
New York-New Brunswick	1995	1	2181 1-hr	276 1-hr	11.8	17.0	30.5	22	100.0	M6 D18 H 2	12.4	16.8	21.9
New York-Bronx Bot. Garden	1995	2	2088 1-hr	264 1-hr	19.5	34.9	52.7	7	153.0	M6 D24 H 3	18.8	28.8	33.4
Philadelphia-Lums Pond	1995	1	2117 1-hr	273 1-hr	17.5	30.0	46.9	6	126.0	M6 D 5 H 5	15.3	24.1	26.6
Philadelphia-Rider University	1995	3	2175 1-hr	276 1-hr	15.9	28.1	43.6	6	166.0	M8 D 9 H 6	16.6	28.7	32.7
Philadelphia-New Brunswick	1995	4	2027 1-hr	270 1-hr	17.5	29.7	49.2	6	191.0	M6 D 1 H 5	17.3	25.8	30.9
Providence-W. Greenwich	1995	1	2077 1-hr	270 1-hr	4.5	4.0	10.3	8	30.0	M6 D16 H20	3.6	2.8	6.6
Providence-E. Providence	1995	2	2097 1-hr	275 1-hr	13.0	22.2	32.8	6	104.0	M7 D20 H 6	10.9	17.5	19.5
Sacramento-Elk Grove-Bruce	1995	1	2064 1-hr	245 1-hr	12.7	20.0	31.3	7	99.0	M8 D28 H 1	10.3	14.7	19.0
Sacramento-Del Paso	1995	2	2042 1-hr	276 1-hr	7.4	13.4	21.9	6	66.0	M7 D31 H 6	8.9	12.9	14.9
Sacramento-Folsom	1995	3	2027 1-hr	275 1-hr	21.7	25.5	57.5	6	214.0	M9D30H9	24.2	23.9	46.4
San Diego-El Cajon	1995	2	2069 1-hr	262 1-hr	10.5	17.6	31.8	6	138.0	M9 D15 H20	14.1	17.2	27.0
San Diego-Overland	1995	2	2105 1-hr	254 1-hr	14.9	25.8	40.4	5	118.0	M9 D 7 H 6	14.4	20.9	25.9
San Diego-Alpine	1995	3	2168 1-hr	258 1-hr	12.8	26.8	38.6	6	110.0	M8 D16 H 6	13.6	21.3	25.2
San Joaquin-Clovis-Villa	1995	2	2001 1-hr	270 1-hr	29.8	39.0	55.7	7	169.0	M8 D30 H 7	15.7	23.9	25.6
San Joaquin-Golden St. Av.	1995	2	2097 1-hr	274 1-hr	27.3	35.9	52.1	7	165.0	M9 D28 H 7	16.9	25.8	30.3
San Joaquin-Parlier	1995	3	2093 1-hr	265 1-hr	28.7	50.9	76.8	9	384.0	M8 D29 H 6	25.7	52.7	57.4
San Joaquin-Arvin	1995	3	2094 1-hr	276 1-hr	17.1	27.0	41.6	6	245.0	M8 D15 H 6	23.9	44.7	49.8
San Joaquin-Elk Grove	1995	3	2112 1-hr	273 1-hr	8.9	19.1	41.3	7	94.0	M8 D21 H 6	10.8	13.7	14.8
San Joaquin-Elk Grove	1994	3	2070 1-hr	261 1-hr	17.8	23.6	43.0	7	82.0	M7 D18 H 7	11.0	14.6	14.8
San Joaquin-Elk Grove	1994	2	2091 1-hr	264 1-hr	17.1	33.7	47.4	6	149.0	M9 D21 H 5	15.5	24.0	29.2
San Joaquin-Elk Grove	1994	2	2097 1-hr	275 1-hr	20.4	38.3	51.0	6	149.0	M9 D27 H20	16.3	20.4	28.5
San Joaquin-Elk Grove	1995	2	2075 1-hr	272 1-hr	38.7	70.0	103.9	6	228.0	M9 D 8 H 7	29.7	39.5	42.3
San Joaquin-Elk Grove	1994	2	1973 1-hr	258 1-hr	40.2	71.3	104.8	6	233.0	M8 D30 H 6	30.4	35.7	37.3
San Joaquin-Elk Grove	1995	3	2093 1-hr	276 1-hr	17.1	27.0	35.6	6	82.0	M9 D15 H 6	10.0	13.4	14.0
San Joaquin-Elk Grove	1994	3	2094 1-hr	274 1-hr	20.2	29.9	41.6	5	80.0	M9 D24 H19	10.8	11.7	12.2
San Joaquin-Elk Grove	1995	3	2112 1-hr	276 1-hr	8.9	19.1	27.3	6	86.0	M8 D 3 H 6	7.4	14.4	17.8
San Joaquin-Elk Grove	1994	3	1970 1-hr	261 1-hr	13.3	27.6	37.1	6	103.0	M9 D20 H 6	8.9	15.1	17.1

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
OXIDES OF NITROGEN (ppb) - (continued)														
South Coast/SEDAB-Pico Riv	1995	2	2088 1-hr	273 1-hr	79.5	140.0	185.0	5	522.0	M8 D28 H 6	59.4	103.8	104.4	
	1994	2	2110 1-hr	276 1-hr	70.7	120.2	160.4	6	425.0	M9 D28 H 7	55.7	92.8	95.0	
South Coast/SEDAB-Azusa	1995	3	2113 1-hr	276 1-hr	79.5	125.5	151.5	7	328.0	M9 D13 H 7	40.3	58.8	61.6	
	1994	3	2116 1-hr	276 1-hr	67.8	100.9	127.9	7	344.0	M9 D26 H 7	40.0	66.4	68.1	
South Coast/SEDAB-Upland	1995	4	2100 1-hr	276 1-hr	72.4	108.9	138.3	6	242.0	M9 D14 H 7	35.1	46.3	43.3	
	1994	4	2095 1-hr	271 1-hr	60.1	102.0	126.3	6	237.0	M8 D 2 H 7	34.3	44.3	46.9	
Springfield-Chicopee	1995	2	2183 1-hr	275 1-hr	15.8	21.9	36.7	7	108.0	M6 D15 H22	11.5	15.9	20.4	
	1994	2	2000 1-hr	253 1-hr	14.5	19.0	31.7	0	79.0	M6 D 9 H 6	9.5	12.8	14.5	
Springfield-Ware	1995	3	2170 1-hr	273 1-hr	8.1	9.2	13.8	0	31.0	M8 D10 H 6	4.2	5.7	5.9	
	1994	3	2185 1-hr	276 1-hr	7.1	7.8	13.1	0	83.0	M8 D23 H10	4.2	4.2	8.6	
Ventura Co.-El Rio	1995	2	1816 1-hr	237 1-hr	18.8	33.4	44.6	6	197.0	M8 D28 H 6	13.7	25.3	27.8	
	1994	2	1944 1-hr	255 1-hr	17.0	30.1	39.6	6	128.0	M9 D15 H 5	12.5	21.4	22.8	
Ventura Co.-Simi Valley	1995	3	1913 1-hr	253 1-hr	41.2	92.1	117.6	6	249.0	M9 D15 H 6	34.1	52.6	52.4	
	1994	3	2082 1-hr	276 1-hr	35.8	80.4	104.4	6	275.0	M9 D15 H 6	31.6	52.4	58.9	
Washington-Corbin	1995	1	2160 1-hr	276 1-hr	5.1	7.7	11.2	7	33.0	M6 D12 H15	3.8	4.7	5.9	
	1994	1												
Washington-McMillan Reserv	1995	2	2139 1-hr	271 1-hr	22.8	37.0	66.8	6	227.0	M7 D20 H 6	21.9	28.7	38.6	
	1994	2	704 1-hr	90 1-hr	26.6	33.7	59.9	23	206.0	M7 D12 H10	20.5	26.8	34.6	
Washington-Fort Meade	1995	3	2092 1-hr	264 1-hr	13.5	23.6	37.4	6	108.0	M7 D31 H 6	12.3	19.8	21.4	
	1994	3												
Washington-Lums Pond	1995	4	2117 1-hr	273 1-hr	17.5	30.0	46.9	6	126.0	M6 D 5 H 5	15.3	24.1	26.6	
	1994	4	1988 1-hr	257 1-hr	15.9	28.1	43.6	6	166.0	M8 D 9 H 6	16.6	28.7	32.7	
TOTAL NMOC (ppbC)														
Composite average	1995	All	Sites = 19		201.3	254.0	388.4							
	1994	All			191.0	247.1	369.0							
Composite average	1995	2	Sites = 13		230.1	282.6	443.6							
	1994	2			218.0	273.4	421.3							
Composite average	1995	3	Sites = 3		120.7	175.3	237.6							
	1994	3			107.7	165.2	243.8							
Composite average	1995	4	Sites = 4		130.3	174.3	270.3							
	1994	4			130.7	177.9	230.5							
Baltimore-Fort Meade	1995	1	97 3-hr	12 3-hr	140.2	152.2	238.8	6	606.3	M8 D10 H12	79.0	81.2	115.9	
	1994	1												
Baltimore-Morgan State	1995	2	1549 1-hr	178 1-hr	124.5	159.3	256.7	7	593.0	M7 D30 H22	68.8	85.1	104.8	
	1994	2												
Baltimore-Aldino	1995	3	240 3-hr	30 3-hr	130.6	140.1	207.4	3	558.7	M8 D13 H 0	75.3	75.1	113.4	
	1994	3												
Baltimore-Lums Pond	1995	4	1895 1-hr	239 1-hr	49.2	71.0	180.7	6	1073.0	M6 D22 H 2	77.8	73.8	206.1	
	1994	4	1493 1-hr	186 1-hr	51.2	65.2	118.3	21	406.0	M7 D 8 H 1	39.0	50.9	88.7	
Baton Rouge-Pride	1995	1/3												
	1994	1/3	221 3-hr	28 3-hr	145.9	143.8	264.5	0	726.0	M6 D28 H 0	79.8	53.3	125.4	
Baton Rouge-New Pride	1995	1/3	200 3-hr	25 3-hr	197.0	199.0	298.9	0	1239.0	M6 D 5 H 9	91.6	52.4	200.9	
	1994	1/3												
Baton Rouge-Capitol	1995	2	645 3-hr	81 3-hr	413.0	486.7	769.8	3	1876.0	M6 D27 H 3	275.3	310.8	382.3	
	1994	2	688 3-hr	85 3-hr	233.4	303.3	466.2	6	5330.0	M6 D20 H15	283.4	167.4	552.8	
Boston-Lynn	1995	2	2108 1-hr	264 1-hr	84.7	95.3	172.9	6	389.0	M6 D 2 H13	48.9	54.3	81.4	
	1994	2	1801 1-hr	240 1-hr	99.4	108.9	224.5	23	729.0	M8 D20 H 6	63.1	75.0	106.3	
Boston-Newbury	1995	3	914 1-hr	111 1-hr	85.2	86.5	241.3	13	1870.0	M8 D10 H15	104.8	67.9	218.6	
	1994	3												
Connecticut-E. Hartford	1995	2												
	1994	2	785 1-hr	87 1-hr	157.3	193.7	404.9	0	3020.0	M7 D 8 H13	185.5	107.9	525.8	
Connecticut-Stafford	1995	3	1743 1-hr	213 1-hr	47.3	50.5	75.7	20	164.7	M7 D21 H20	24.9	25.6	26.8	
	1994	3	726 1-hr	86 1-hr	125.6	114.9	244.9	19	1180.0	M8 D 4 H11	211.8	185.4	334.1	
Connecticut-Cape Eliz., ME	1995	4	1945 1-hr	257 1-hr	32.5	48.6	88.0	6	320.0	M8 D25 H 6	26.5	40.8	60.3	
	1994	4	1693 1-hr	197 1-hr	42.2	51.6	84.0	7	238.6	M7 D15 H 2	21.8	25.7	43.2	
Lake Michigan-Braidwood	1995	1	107 3-hr	36 3-hr	97.6	113.7	119.8	6	467.0	M6 D 2 H 6	76.6	93.6	92.2	
	1994	1												
Lake Michigan-Chicago-Jardine	1995	2	139 3-hr	36 3-hr	253.7	259.4	330.2	6	619.0	M7 D29 H 0	125.1	121.6	136.7	
	1994	2												
Lake Michigan-Gary	1995	2	1190 1-hr	153 1-hr	107.1	141.4	310.6	23	924.0	M8 D24 H13	104.0	110.1	216.3	
	1994	2												
Lake Michigan-Milwaukee	1995	2	128 3-hr	35 3-hr	73.9	90.5	99.8	23	600.0	M6 D13 H23	72.7	72.7	82.1	
	1994	2	134 3-hr	34 3-hr	133.9	181.6	193.8	23	1200.0	M8 D 5 H23	151.6	145.9	170.8	
Lake Michigan-Harrington B	1995	3	96 3-hr	33 3-hr	22.9	34.2	37.4	5	83.0	M6 D 2 H 5	21.0	20.1	19.7	
	1994	3	95 3-hr	33 3-hr	51.6	65.9	74.4	5	150.0	M8 D 3 H10	34.1	30.6	34.5	
Lake Michigan-Camp Logan	1995	4	107 3-hr	36 3-hr	93.4	115.3	133.2	6	661.0	M6 D16 H 6	76.5	110.9	112.8	
	1994	4												
Lake Michigan-Manitowoc	1995	4	80 3-hr	29 3-hr	26.9	27.9	38.3	5	230.0	M7 D29 H14	36.1	16.8	41.5	
	1994	4												
New York-Bronx Bot. Garden	1995	2	1868 1-hr	243 1-hr	145.8	132.1	367.3	23	5892.0	M7 D31 H13	209.0	139.9	685.2	
	1994	2												

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
TOTAL NMOC (ppbC) - (continued)													
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	49.2	71.0	180.7	6	1073.0	M6 D22 H 2	77.8	73.8	206.1
	1994	1	1493 1-hr	186 1-hr	51.2	65.2	118.3	21	406.0	M7 D 8 H 1	39.0	50.9	88.7
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	120.9	160.9	221.6	5	551.6	M8 D14 H 5	76.9	111.0	102.6
Philadelphia–Rider University	1995	3	2095 1-hr	258 1-hr	71.8	100.9	149.3	6	550.5	M6 D 1 H 7	47.7	72.0	75.7
	1994	3											
Providence–E. Providence	1995	2	667 3-hr	92 3-hr	117.9	172.9	224.4	5	788.2	M7 D20 H 5	87.2	133.7	123.9
	1994	2	313 3-hr	28 3-hr	136.8	189.4	218.8	0	878.4	M8 D31 H 6	90.3	169.6	146.5
Sacramento–Del Paso	1995	2	2047 1-hr	268 1-hr	323.8	354.1	606.3	0	2000.0	M9 D 5 H 22	306.2	299.3	482.7
San Diego–El Cajon	1995	2	1398 1-hr 51 3-hr	177 1-hr 14 3-hr	364.1	362.0	628.1	0	1700.0	M9 D 5 H 22	257.4	209.5	397.9
San Diego–El Cajon	1994	2	2107 1-hr 109 3-hr	275 1-hr 27 3-hr	137.5	206.6	315.2	5	1600.0	M9 D26 H 8	108.3	145.2	213.6
San Diego–Overland	1995	2	2100 1-hr 120 3-hr	275 1-hr 29 3-hr	196.5	271.6	365.3	5	1130.0	M9 D26 H16	143.1	200.8	229.8
San Diego–Overland	1994	2	112 3-hr	28 3-hr	132.2	183.5	194.6	5	437.0	M9 D12 H 5	72.6	95.6	90.0
San Diego–Alpine	1995	3	45 3-hr	11 3-hr	179.4	225.3	245.5	5	521.0	M9 D29 H 5	91.5	124.2	116.3
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	97.2	98.2	131.8	12	257.0	M7 D17 H12	41.2	31.9	37.7
San Joaquin–Clovis–Villa	1995	2	1319 1-hr	171 1-hr	182.5	289.5	457.7	0	1500.0	M9D20 H 6	203.9	304.9	371.1
San Joaquin–Golden St. Av.	1995	2	2055 1-hr	269 1-hr	271.5	490.3	824.5	6	3100.0	M8 D27 H 0	292.4	313.6	486.3
	1994	2	1876 1-hr 104 3-hr	243 1-hr 273 3-hr	345.0	555.3	940.3	5	1900.0	M8 D 2 H 7	305.7	281.2	404.6
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr	61 3-hr	859.5	808.7	1320.7	12	6563.0	M8 D 4 H 9	528.6	348.7	882.9
South Coast/SEDAB–Pico Riv	1994	2	861 3-hr	101 3-hr	582.6	575.4	907.3	12	3592.0	M8 D15 H 0	289.3	379.2	362.6
South Coast/SEDAB–Azusa	1995	3	171 3-hr	22 3-hr	576.4	503.8	977.0	6	7878.0	M8 D31 H 3	864.5	248.3	1541.5
South Coast/SEDAB–Upland	1995	4	181 3-hr	24 3-hr	390.3	506.6	631.8	6	919.6	M8 D 7 H 3	182.0	178.6	165.1
	1994	4	222 3-hr	28 3-hr	378.3	529.5	601.3	21	1066.0	M7 D22 H 3	182.6	193.5	190.6
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	90.9	98.0	152.4	23	789.9	M7 D 2 H11	74.8	43.2	154.1
Springfield–Chicopee	1995	2	1467 1-hr	193 1-hr	75.0	87.7	157.2	7	384.0	M8 D31 H11	50.2	59.1	72.5
Springfield–Ware	1995	3	1570 1-hr	194 1-hr	108.9	128.8	320.9	0	2010.0	M8 D26 H 3	115.9	76.1	424.6
Springfield–Ware	1995	3	1549 1-hr	195 1-hr	39.1	32.9	100.3	14	1870.0	M8 D 1 H 8	59.0	23.5	220.6
Ventura Co.–El Rio	1995	2	1481 1-hr 108 3-hr	195 1-hr 27 3-hr	264.5	402.1	616.8	6	2200.0	M9 D 6 H23	200.0	286.2	387.0
	1994	2	2081 1-hr	273 1-hr	120.4	213.6	274.2	6	670.0	M9 D15 H 5	90.2	123.6	136.6
Ventura Co.–Simi Valley	1995	3	1072 1-hr 104 3-hr	142 1-hr 25 3-hr	292.1	441.3	599.8	6	1390.0	M7 D27 H 6	212.1	303.3	281.8
Washington–Corbin	1994	3	1746 1-hr	231 1-hr	145.7	314.7	412.2	6	1270.0	M9 D25 H21	150.0	201.4	219.7
Washington–Corbin	1995	1	237 3-hr	31 3-hr	49.9	42.9	78.4	17	173.0	M8 D 1 H20	26.1	20.0	29.2
Washington–McMillan Reserv	1994	1	229 3-hr	29 3-hr	31.8	34.2	64.2	17	167.0	M8 D27 H11	22.2	22.7	30.3
Washington–McMillan Reserv	1995	2	707 1-hr	90 1-hr	116.6	134.4	243.1	20	535.6	M8 D27 H23	54.8	54.0	106.4
Washington–Fort Meade	1994	2	734 1-hr	91 1-hr	142.5	195.3	317.1	22	853.0	M8 D 7 H 0	104.2	154.0	196.6
Washington–Fort Meade	1995	3	97 3-hr	12 3-hr	140.2	152.2	238.8	6	606.3	M8 D10 H12	79.0	81.2	115.9
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	49.2	71.0	180.7	6	1073.0	M6 D22 H 2	77.8	73.8	206.1
	1994	4	1493 1-hr	186 1-hr	51.2	65.2	118.3	21	406.0	M7 D 8 H 1	39.0	50.9	88.7
ETHYLENE (ppbC) - (continued)													
Composite average	1995	All	Sites = 17		4.1	5.7	8.4						
Composite average	1994	All	Sites = 17		4.5	6.2	9.3						
Composite average	1995	2	Sites = 11		5.2	7.3	10.7						
Composite average	1994	2	Sites = 11		5.8	8.0	11.8						
Composite average	1995	3	Sites = 2		1.1	1.4	2.1						
Composite average	1994	3	Sites = 2		1.6	2.0	3.3						
Composite average	1995	4	Sites = 5		2.2	3.1	4.9						
Composite average	1994	4	Sites = 5		2.2	3.0	4.9						
Baltimore–Fort Meade	1995	1	96 3-hr	12 3-hr	2.5	3.4	5.9	6	15.8	M7 D14 H21	2.1	2.0	3.6
Baltimore–Morgan State	1995	2	1545 1-hr	178 1-hr	4.0	6.1	9.7	22	30.7	M6 D17 H 5	2.9	3.7	4.9
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	1.7	2.1	2.7	6	5.5	M6 D23 H18	0.9	0.9	1.0
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	1.1	2.0	3.7	6	8.5	M7 D21 H11	1.2	1.6	1.9
	1994	4	1384 1-hr	171 1-hr	1.2	2.0	3.4	6	9.8	M7 D29 H 8	1.2	1.7	1.9
Baton Rouge–Prude	1995	1/3	221 3-hr	28 3-hr	1.2	1.8	3.9	0	15.6	M8 D21 H 0	2.4	2.6	4.2
Baton Rouge–New Prude	1995	1/3	200 3-hr	25 3-hr	1.9	2.8	4.2	0	13.3	M8 D13 H 6	1.9	2.6	3.2
Baton Rouge–Capitol	1995	1/3	645 3-hr	81 3-hr	8.5	12.2	22.3	6	60.9	M8 D 8 H 6	9.6	10.9	13.9
	1994	2	688 3-hr	85 3-hr	6.1	9.7	18.2	6	62.2	M7 D29 H 0	7.8	9.6	11.7
Boston–Lynn	1995	2	2106 1-hr	264 1-hr	2.2	3.1	6.0	7	39.0	M8 D31 H 5	2.0	3.3	4.5
Boston–Lynn	1994	2	1802 1-hr	242 1-hr	2.7	3.3	7.0	22	34.5	M7 D 2 H 4	2.2	2.0	4.3
Boston–Newbury	1995	3	795 1-hr	107 1-hr	1.3	1.4	2.9	5	6.7	M8 D17 H22	0.9	0.9	1.1
Boston–Newbury	1994	3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
ETHYLENE (ppbC) - (continued)													
Connecticut–E. Hartford	1995	2											
	1994	2	564 1-hr	59 1-hr	2.0	2.9	5.3	1	18.7	M7 D 8 H12	1.7	2.1	3.2
Connecticut–Stafford	1995	3	1542 1-hr	205 1-hr	1.0	1.4	2.5	6	6.0	M8 D31 H 7	0.8	1.0	1.1
	1994	3	1063 1-hr	130 1-hr	1.3	1.8	4.1	0	21.4	M8 D 4 H11	1.4	1.4	3.9
Connecticut–Cape Eliz., ME	1995	4	1943 1-hr	255 1-hr	0.8	1.2	2.1	6	9.4	M7 D27 H 2	0.7	0.8	1.3
	1994	4	1751 1-hr	204 1-hr	1.1	1.4	2.4	23	6.0	M6 D19 H 8	0.7	0.8	1.2
EI Paso–N. Campbell	1995	2											
	1994	2	47 3-hr	47 3-hr	16.0	16.0	16.2	5	31.0	M7 D25 H 5	6.9	6.9	6.8
EI Paso–Chamizal	1995	2	1062 1-hr	143 1-hr	9.5	13.2	30.4	21	148.4	M7 D26 H21	12.8	11.6	23.9
Houston–Clinton Dr.	1995	2	1730 1-hr	235 1-hr	8.6	13.4	29.4	6	176.3	M6 D16 H19	11.4	13.2	28.0
	1994	2											
Lake Michigan–Braidwood	1995	1	107 3-hr	36 3-hr	1.7	2.7	3.2	6	27.4	M8 D22 H 6	3.0	4.7	4.8
	1994	1											
Lake Michigan–Chicago	1995	2											
	1994	2	132 3-hr	33 3-hr	13.4	16.0	20.2	6	44.0	M6 D13 H15	7.5	9.1	9.4
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr	36 3-hr	5.6	7.1	8.8	6	21.2	M6 D14 H 6	4.3	4.9	5.0
	1994	2											
Lake Michigan–Gary	1995	2	1167 1-hr	153 1-hr	4.8	7.3	18.8	23	88.6	M7 D29 H 6	7.4	12.1	19.1
	1994	2											
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	3.3	4.3	4.4	23	23.0	M6 D13 H23	2.9	3.2	3.2
	1994	2	134 3-hr	34 3-hr	5.0	6.5	6.9	23	54.0	M8 D 5 H23	5.7	4.5	6.1
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	1.1	1.5	1.6	5	4.8	M6 D16 H11	0.7	0.7	0.8
	1994	3	95 3-hr	33 3-hr	1.8	2.1	2.5	5	7.6	M7 D 1 H15	1.2	1.0	1.4
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	1.8	2.4	2.7	6	7.9	M8 D 4 H15	1.5	1.5	1.8
	1994	4	141 3-hr	35 3-hr	3.0	3.9	6.3	6	29.0	M7 D10 H 0	3.8	2.7	5.7
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	1.1	1.3	1.4	5	3.4	M7 D29 H14	0.6	0.5	0.6
	1994	4											
New York–Bronx Bot. Garden	1995	2	2031 1-hr	267 1-hr	8.4	9.3	19.8	23	80.5	M8 D31 H 1	6.2	7.4	11.5
	1994	2	131 3-hr	23 3-hr	12.4	14.1	21.4	6	57.5	M8 D 3 H21	9.4	8.4	13.2
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	1.1	2.0	3.7	6	8.5	M7 D21 H11	1.2	1.6	1.9
	1994	1	1384 1-hr	171 1-hr	1.2	2.0	3.4	6	9.8	M7 D29 H 8	1.2	1.7	1.9
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	4.9	6.9	8.8	5	19.3	M6 D 5 H 5	2.8	3.8	3.5
	1994	2	630 3-hr	76 3-hr	6.4	9.0	11.6	5	31.5	M8 D28 H 2	4.1	5.1	5.8
Philadelphia–Rider University	1995	3	2096 1-hr	258 1-hr	2.2	3.4	5.4	6	19.5	M6 D24 H 6	1.9	2.7	2.7
	1994	3											
Providence–E. Providence	1995	2	684 3-hr	95 3-hr	2.8	4.7	5.9	5	22.0	M6 D 8 H 5	2.2	3.8	3.5
	1994	2	320 3-hr	30 3-hr	3.2	5.1	6.1	6	17.8	M8 D28 H 0	2.5	3.6	3.9
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	3.2	3.8	4.5	5	16.0	M9 D26 H 5	2.7	3.3	3.4
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	6.6	9.9	10.0	5	21.3	M9 D12 H 5	3.6	4.5	4.3
	1994	2	120 3-hr	29 3-hr	6.9	10.4	11.1	5	37.5	M9 D26 H16	5.2	6.3	7.4
San Diego–Overland	1995	2	112 3-hr	28 3-hr	4.7	8.0	8.1	5	22.7	M8 D28 H 5	3.5	5.5	5.3
	1994	2	45 3-hr	11 3-hr	5.1	7.1	7.4	5	17.6	M9 D29 H 5	3.1	4.6	4.2
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	3.4	4.3	5.1	5	11.3	M8 D28 H 2	1.9	1.8	2.0
	1994	3											
San Joaquin–Clovis–Villa	1995	2											
	1994	2	111 3-hr	28 3-hr	3.8	7.8	7.0	23	16.0	M9 D20 H 5	4.0	4.2	4.6
San Joaquin–Golden St. Av.	1995	2											
	1994	2	105 3-hr	27 3-hr	6.1	11.4	10.9	5	27.0	M9 D16 H23	5.9	6.7	6.5
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr	61 3-hr	9.6	13.7	15.7	6	31.4	M8 D28 H 6	5.3	6.8	6.7
	1994	2	868 3-hr	103 3-hr	9.4	13.2	18.0	21	47.9	M9 D27 H 6	6.9	10.6	9.0
South Coast/SEDAB–Azusa	1995	3	171 3-hr	22 3-hr	8.2	11.4	15.2	6	51.3	M9 D 9 H 3	8.0	9.2	12.1
	1994	3											
South Coast/SEDAB–Upland	1995	4	179 3-hr	24 3-hr	6.1	7.8	12.5	21	30.7	M8 D10 H21	5.6	6.5	8.0
	1994	4	221 3-hr	28 3-hr	4.7	5.6	8.9	6	30.3	M8 D24 H21	4.8	5.1	7.7
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	2.0	2.8	3.7	23	8.2	M7 D 2 H14	1.3	1.6	1.7
	1994	1											
Springfield–Chicopee	1995	2	1079 1-hr	164 1-hr	2.0	2.6	4.6	7	12.7	M6 D15 H22	1.6	1.9	2.3
	1994	2	1547 1-hr	192 1-hr	2.2	2.8	9.8	0	198.0	M8 D27 H18	5.8	2.2	25.1
Springfield–Ware	1995	3	467 1-hr	74 1-hr	1.1	1.4	2.6	23	20.7	M8 D 1 H 8	1.3	0.7	3.8
	1994	3											
Ventura Co.–El Rio	1995	2											
	1994	2	94 3-hr	25 3-hr	4.6	8.0	7.7	6	17.0	M9 D26 H 6	2.9	3.3	2.9
Ventura Co.–Simi Valley	1995	3											
	1994	3	103 3-hr	25 3-hr	9.4	20.4	19.5	6	34.0	M9 D14 H 6	8.0	8.3	8.5
Washington–McMillan Reserv	1995	2	1372 1-hr	174 1-hr	4.1	5.4	11.8	6	42.0	M6 D 4 H23	3.9	3.3	8.1
	1994	2	734 1-hr	91 1-hr	4.8	7.3	12.9	22	39.2	M8 D 7 H 0	4.6	6.2	9.4
Washington–Fort Meade	1995	3	96 3-hr	12 3-hr	2.5	3.4	5.9	6	15.8	M7 D14 H21	2.1	2.0	3.6
	1994	3											
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	1.1	2.0	3.7	6	8.5	M7 D21 H11	1.2	1.6	1.9
	1994	4	1384 1-hr	171 1-hr	1.2	2.0	3.4	6	9.8	M7 D29 H 8	1.2	1.7	1.9

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
PROPYLENE (ppbC)													
Composite average	1995	All	Sites = 17		2.2	3.1	5.2						
	1994	All			2.4	3.4	5.3						
Composite average	1995	2	Sites = 11		2.7	3.7	5.9						
	1994	2			3.0	4.3	6.8						
Composite average	1995	3	Sites = 2		0.5	0.7	1.0						
	1994	3			0.8	0.9	1.5						
Composite average	1995	4	Sites = 5		1.8	2.9	6.8						
	1994	4			1.2	2.0	3.1						
Baltimore–Fort Meade	1995	1	97 3-hr	12 3-hr	1.1	1.4	2.4	6	3.9	M7 D 8 H 3	0.8	0.8	0.9
	1994	1											
Baltimore–Morgan State	1995	2	1550 1-hr	178 1-hr	2.6	3.4	5.1	22	12.3	M7 D30 H22	1.3	1.5	2.0
	1994	2											
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	0.9	1.1	1.5	3	6.0	M6 D23 H21	0.7	0.6	1.0
	1994	3											
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	2.0	3.3	11.9	6	118.7	M6 D22 H 3	7.2	6.6	20.3
	1994	4	1384 1-hr	171 1-hr	0.5	1.1	3.1	0	25.1	M7 D29 H 6	1.4	2.8	4.7
Baton Rouge–Prude	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	0.4	0.7	1.1	0	3.5	M7 D16 H 0	0.7	1.1	1.1
Baton Rouge–New Prude	1995	1/3	200 3-hr	25 3-hr	1.3	1.6	2.0	0	3.7	M8 D25 H21	0.7	0.8	0.8
	1994	1/3											
Baton Rouge–Capitol	1995	2	645 3-hr	81 3-hr	5.4	6.8	14.7	0	59.2	M6 D 5 H 3	6.3	6.0	10.9
	1994	2	688 3-hr	85 3-hr	5.0	7.9	18.5	6	176.3	M6 D20 H18	12.3	13.6	27.7
Boston–Lynn	1995	2	2098 1-hr	264 1-hr	1.0	1.4	2.6	7	25.8	M8 D31 H 5	0.9	1.9	2.7
	1994	2	1791 1-hr	241 1-hr	1.1	1.3	2.7	0	6.7	M7 D 2 H 4	0.8	0.8	1.2
Boston–Newbury	1995	3	904 1-hr	110 1-hr	0.9	0.9	1.6	0	7.4	M8 D10 H15	0.5	0.4	0.8
	1994	3											
Connecticut–E. Hartford	1995	2											
	1994	2	550 1-hr	59 1-hr	0.9	1.3	2.4	21	18.6	M7 D 8 H12	1.0	0.8	2.9
Connecticut–Stafford	1995	3	1424 1-hr	199 1-hr	0.7	0.8	1.4	20	3.3	M6 D10 H 1	0.3	0.4	0.5
	1994	3	830 1-hr	120 1-hr	0.6	0.6	1.7	4	20.5	M8 D 4 H11	1.0	0.4	3.0
Connecticut–Cape Eliz., ME	1995	4	1938 1-hr	252 1-hr	0.5	0.6	1.0	6	2.8	M6 D14 H 6	0.3	0.3	0.4
	1994	4	1751 1-hr	204 1-hr	0.6	0.7	1.0	23	2.3	M8 D 7 H 0	0.2	0.3	0.3
EI Paso–N. Campbell	1995	2											
	1994	2	47 3-hr	47 3-hr	6.8	6.8	6.8	5	12.7	M7 D25 H 5	2.7	2.7	2.7
EI Paso–Chamizal	1995	2	1062 1-hr	143 1-hr	4.6	6.1	14.2	5	65.9	M7 D26 H21	5.6	4.9	10.6
	1994	2											
Houston–Clinton Dr.	1995	2	1582 1-hr	215 1-hr	7.8	10.4	32.1	5	221.8	M6 D 6 H17	13.2	11.4	34.5
	1994	2											
Lake Michigan–Braidwood	1995	1	107 3-hr	36 3-hr	0.6	1.1	1.2	6	17.1	M8 D22 H 6	1.7	2.8	2.8
	1994	1											
Lake Michigan–Chicago	1995	2											
	1994	2	132 3-hr	33 3-hr	5.1	5.7	7.9	6	21.9	M7 D 1 H12	3.2	3.3	4.0
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr	36 3-hr	2.5	3.3	4.2	6	18.2	M6 D 2 H 6	2.4	3.5	3.4
	1994	2											
Lake Michigan–Gary	1995	2	1190 1-hr	153 1-hr	2.2	2.7	6.7	23	18.6	M7 D 8 H10	2.1	2.7	4.4
	1994	2											
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	1.4	1.6	1.8	23	9.5	M6 D13 H23	1.1	1.2	1.3
	1994	2	133 3-hr	34 3-hr	2.4	3.2	3.3	23	23.0	M8 D 5 H23	2.5	2.1	2.7
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	0.4	0.5	0.6	5	1.4	M8 D22 H 5	0.3	0.3	0.3
	1994	3	95 3-hr	33 3-hr	1.0	1.2	1.3	5	3.4	M7 D 1 H15	0.6	0.6	0.7
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	0.6	0.9	1.0	6	4.3	M7 D 5 H 6	0.7	0.8	0.7
	1994	4	141 3-hr	35 3-hr	0.7	1.3	1.6	0	4.6	M7 D19 H 6	1.0	1.2	1.3
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	0.4	0.6	0.6	5	1.2	M7 D29 H14	0.3	0.2	0.2
	1994	4											
New York–Bronx Bot. Garden	1995	2	2031 1-hr	267 1-hr	3.6	4.5	8.8	23	34.3	M8 D31 H 1	2.9	3.9	5.3
	1994	2	131 3-hr	23 3-hr	3.8	5.1	6.9	21	14.5	M7 D25 H 6	2.9	3.9	3.4
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	2.0	3.3	11.9	6	118.7	M6 D22 H 3	7.2	6.6	20.3
	1994	1	1384 1-hr	171 1-hr	0.5	1.1	3.1	0	25.1	M7 D29 H 6	1.4	2.8	4.7
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	3.6	5.3	10.1	23	50.1	M8 D 4 H 2	5.2	6.7	9.8
	1994	2	630 3-hr	76 3-hr	4.3	6.3	10.2	5	44.5	M8 D31 H 2	4.6	5.6	7.4
Philadelphia–Rider University	1995	3	2096 1-hr	258 1-hr	1.1	1.9	3.5	7	15.7	M8 D 4 H 8	1.3	1.9	2.6
	1994	3											
Providence–E. Providence	1995	2	683 3-hr	94 3-hr	1.1	2.0	2.3	5	15.4	M7 D20 H 5	1.0	1.9	1.9
	1994	2	358 3-hr	34 3-hr	1.4	1.9	2.4	21	7.5	M8 D28 H 0	0.9	1.3	1.5
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	1.6	2.2	2.3	5	8.0	M9 D26 H 5	1.4	1.6	1.6
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	2.8	4.3	4.4	5	8.9	M9 D12 H 5	1.6	1.9	1.8
	1994	2	120 3-hr	29 3-hr	3.6	5.8	6.1	5	17.7	M9 D26 H16	2.8	3.3	3.8
San Diego–Overland	1995	2	112 3-hr	28 3-hr	2.2	3.5	3.7	5	10.0	M9 D12 H 5	1.5	2.4	2.4
	1994	2	45 3-hr	11 3-hr	2.9	4.3	4.4	5	9.7	M9 D29 H 5	2.0	2.5	2.4
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	1.4	1.9	2.2	5	5.5	M8 D28 H 2	0.9	0.8	1.0
	1994	3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
PROPYLENE (ppbC) - (continued)														
San Joaquin–Clovis–Villa	1995	2												
San Joaquin–Golden St. Av.	1994	2	111 3-hr	28 3-hr	1.7	3.8	3.3	23	7.0	M8 D30 H 5	1.9	1.9	2.2	
South Coast/SEDAB–Pico Riv	1995	2	105 3-hr	27 3-hr	2.3	4.4	4.1	5	10.0	M8 D30 H 5	2.3	2.3	2.3	
South Coast/SEDAB–Azusa	1995	2	438 3-hr	61 3-hr	4.9	6.9	8.2	6	15.4	M8 D29 H 3	2.8	3.4	3.4	
South Coast/SEDAB–Upland	1994	2	859 3-hr	102 3-hr	5.8	7.4	11.6	21	24.6	M9 D27 H 6	3.7	5.0	3.8	
Springfield–Agawam	1995	1	172 3-hr	22 3-hr	4.8	6.7	8.4	3	12.7	M9 D15 H 6	2.7	3.1	2.6	
Springfield–Chicopee	1995	4	181 3-hr	24 3-hr	4.0	6.2	8.1	6	13.1	M9 D21 H 6	2.6	2.6	2.3	
Springfield–Ware	1994	4	211 3-hr	26 3-hr	3.7	5.7	6.5	6	11.8	M8 D24 H21	2.1	2.0	2.1	
Ventura Co.–El Rio	1995	1	116 3-hr	15 3-hr	1.5	1.5	2.8	23	15.5	M6 D17 H14	1.4	0.5	3.3	
Ventura Co.–Simi Valley	1994	2	94 3-hr	25 3-hr	2.6	3.1	6.9	6	26.0	M9 D 2 H 3	5.4	4.9	8.4	
Washington–McMillan Reserv	1995	3	103 3-hr	25 3-hr	3.1	6.6	6.6	6	17.0	M8 D 6 H 6	2.9	3.2	3.0	
Washington–Fort Meade	1995	2	702 1-hr	90 1-hr	2.2	2.8	6.1	6	20.8	M6 D 4 H23	2.1	1.6	4.5	
Washington–Lums Pond	1995	4	1129 1-hr	163 1-hr	1.0	1.2	2.0	7	3.9	M8 D 4 H21	0.6	0.7	0.8	
N-HEXANE (ppbC)	Composite average	1995	All	Sites = 17		2.3	3.2	4.9						
Composite average	1994	All				2.4	3.3	5.0						
Composite average	1995	2	Sites = 11			2.8	3.8	6.0						
Composite average	1994	2				2.8	3.7	5.8						
Composite average	1995	3	Sites = 2			0.6	0.7	1.0						
Composite average	1994	3				0.7	0.7	1.7						
Composite average	1995	4	Sites = 5			1.8	2.6	3.6						
Composite average	1994	4				1.9	3.0	3.9						
Baltimore–Fort Meade	1995	1	1384 1-hr	239 1-hr	2.0	3.3	11.9	6	118.7	M6 D22 H 3	7.2	6.6	20.3	
Baltimore–Morgan State	1995	2	1895 1-hr	171 1-hr	0.5	1.1	3.1	0	25.1	M7 D29 H 6	1.4	2.8	4.7	
Baltimore–Aldino	1995	3	1549 1-hr	178 1-hr	1.9	1.8	4.5	9	16.4	M7 D18 H 1	1.8	1.2	2.5	
Baltimore–Lums Pond	1995	4	240 3-hr	30 3-hr	0.8	0.9	1.2	3	2.3	M6 D23 H18	0.4	0.2	0.4	
Baton Rouge–Pride	1995	1/3	1895 1-hr	239 1-hr	0.8	1.4	2.4	6	9.3	M6 D22 H 5	1.0	1.1	1.6	
Baton Rouge–New Pride	1995	1/3	1493 1-hr	186 1-hr	0.5	0.8	1.8	21	6.6	M6 D23 H 0	0.7	0.9	1.5	
Baton Rouge–Capitol	1995	2	221 3-hr	28 3-hr	0.9	1.4	2.1	0	9.8	M6 D 7 H 3	1.1	1.4	1.9	
Boston–Lynn	1995	2	200 3-hr	25 3-hr	0.9	1.3	1.7	6	5.6	M6 D26 H 0	0.8	1.0	1.2	
Boston–Newbury	1995	3	645 3-hr	81 3-hr	6.3	8.4	17.8	0	95.6	M6 D13 H 0	7.9	7.4	14.1	
Connecticut–E. Hartford	1995	2	688 3-hr	85 3-hr	4.7	6.5	11.6	21	33.4	M6 D26 H 3	4.8	5.1	7.1	
Connecticut–Stafford	1995	3	1071 1-hr	260 1-hr	1.2	1.5	3.4	21	10.2	M6 D24 H 4	1.1	1.1	2.1	
Connecticut–Cape Eliz., ME	1995	4	1941 1-hr	241 1-hr	1.4	1.6	4.1	0	11.5	M8 D20 H 6	1.3	1.4	2.2	
El Paso–N. Campbell	1995	2	1752 1-hr	86 1-hr	1.3	1.6	3.0	5	11.3	M7 D17 H22	1.0	1.0	1.9	
El Paso–Chamizal	1994	2	47 3-hr	47 3-hr	1.1	1.4	2.8	4	21.0	M7 D 8 H12	1.2	1.1	3.5	
Houston–Clinton Dr.	1995	2	1062 1-hr	152 1-hr	0.8	0.9	1.3	0	2.9	M7 D21 H20	0.4	0.4	0.5	
Lake Michigan–Braidwood	1995	1	1727 1-hr	235 1-hr	14.6	21.5	61.3	19	339.4	M6 D 6 H 5	22.9	40.7	55.4	
Lake Michigan–Chicago	1995	2	107 3-hr	36 3-hr	0.4	0.8	0.8	6	2.5	M6 D23 H 6	0.5	0.6	0.6	
Lake Michigan–Chicago–Jardine	1995	2	132 3-hr	33 3-hr	5.1	6.7	8.3	6	23.3	M6 D17 H 6	3.6	5.3	4.9	
	1994	2	139 3-hr	36 3-hr	2.7	2.7	4.4	0	23.0	M8 D22 H15	2.6	2.3	4.0	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
N-HEXANE (ppbC) - (continued)													
Lake Michigan–Gary	1995	2	644 1-hr	85 1-hr	0.4	0.4	1.4	23	16.1	M8 D30 H15	0.7	0.4	2.6
	1994	2											
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	1.6	1.8	2.1	23	13.0	M6 D13 H23	1.5	1.3	1.7
	1994	2	134 3-hr	34 3-hr	2.4	3.3	3.7	23	21.0	M8 D 5 H23	2.8	2.5	3.1
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	0.4	0.5	0.7	5	2.0	M6 D16 H11	0.4	0.4	0.5
	1994	3	95 3-hr	33 3-hr	0.8	0.9	1.3	5	5.8	M8 D 3 H10	0.9	0.7	1.2
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	0.7	1.1	1.2	6	3.2	M6 D23 H 6	0.8	0.8	0.8
	1994	4	141 3-hr	35 3-hr	1.2	2.1	2.7	0	13.8	M8 D18 H 6	2.0	3.0	3.0
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	0.3	0.4	0.5	5	2.2	M7 D29 H14	0.4	0.3	0.4
	1994	4											
New York–Bronx Bot. Garden	1995	2	1865 1-hr	243 1-hr	3.1	3.3	6.3	23	30.1	M7 D21 H18	2.4	2.2	3.5
	1994	2	131 3-hr	23 3-hr	3.0	3.1	5.5	21	15.5	M8 D12 H 9	2.4	2.1	3.7
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	0.8	1.4	2.4	6	9.3	M6 D22 H 5	1.0	1.1	1.6
	1994	1	1493 1-hr	186 1-hr	0.5	0.8	1.8	21	6.6	M6 D23 H 0	0.7	0.9	1.5
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	2.6	3.1	4.8	5	29.0	M6 D26 H14	2.0	1.9	3.2
	1994	2	630 3-hr	76 3-hr	2.8	3.7	5.3	5	16.8	M8 D28 H 2	2.1	2.5	3.2
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	1.0	1.4	2.4	23	7.5	M6 D 1 H 7	0.8	1.1	1.2
	1994	3											
Providence–E. Providence	1995	2	684 3-hr	95 3-hr	1.6	2.6	3.7	5	14.6	M7 D20 H 5	1.6	2.4	2.5
	1994	2	366 3-hr	34 3-hr	1.4	2.3	2.8	0	10.5	M8 D31 H 6	1.3	2.0	2.2
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	1.5	2.1	2.2	5	10.0	M9 D26 H 5	1.4	2.0	1.9
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	2.7	4.0	4.2	5	9.4	M8 D31 H 5	1.7	2.1	2.0
	1994	2	120 3-hr	29 3-hr	3.6	5.4	5.8	5	18.0	M9 D26 H16	2.8	3.3	3.9
San Diego–Overland	1995	2	112 3-hr	28 3-hr	1.4	2.1	2.3	5	5.3	M9 D12 H 5	0.9	1.2	1.1
	1994	2	45 3-hr	11 3-hr	2.0	2.5	2.8	12	5.7	M9 D26 H12	1.2	1.5	1.5
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	1.0	1.0	1.4	5	2.5	M9 D15 H16	0.5	0.4	0.5
	1994	3											
San Joaquin–Clovis–Villa	1995	2											
	1994	2	111 3-hr	28 3-hr	2.6	3.4	5.3	23	64.0	M9 D 8 H16	6.2	1.7	10.1
San Joaquin–Golden St. Av.	1995	2											
	1994	2	105 3-hr	27 3-hr	6.8	10.6	11.2	5	84.0	M8 D 5 H23	9.5	5.0	8.9
South Coast/SEDAB–Pico Riv	1995	2	307 3-hr	44 3-hr	7.3	11.8	14.8	0	74.1	M8 D29 H 6	7.9	15.0	14.0
	1994	2	868 3-hr	103 3-hr	6.3	7.9	12.0	21	119.9	M9 D24 H15	6.6	7.2	13.2
South Coast/SEDAB–Azusa	1995	3	172 3-hr	22 3-hr	6.8	8.8	10.2	6	17.0	M9 D15 H 6	3.1	4.0	3.2
	1994	3											
South Coast/SEDAB–Upland	1995	4	181 3-hr	24 3-hr	6.4	8.2	10.2	6	14.3	M9 D21 H 6	2.8	2.6	2.4
	1994	4	220 3-hr	28 3-hr	7.2	10.8	11.8	6	27.8	M9 D14 H 6	3.8	5.0	4.9
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	0.8	1.4	1.8	23	7.0	M8 D29 H 5	1.0	1.8	1.6
	1994	1											
Springfield–Chicopee	1995	2	1161 1-hr	167 1-hr	1.7	2.1	4.5	23	20.4	M8 D31 H11	1.7	1.9	3.5
	1994	2	1462 1-hr	192 1-hr	1.8	2.5	5.3	0	37.2	M8 D26 H 3	2.1	2.4	6.2
Springfield–Ware	1995	3	415 1-hr	73 1-hr	0.8	0.8	2.6	23	35.3	M8 D 1 H 8	2.0	0.4	6.8
	1994	3											
Ventura Co.–El Rio	1995	2											
	1994	2	94 3-hr	25 3-hr	3.3	7.1	7.6	6	59.0	M9 D 2 H 6	6.3	11.2	11.3
Ventura Co.–Simi Valley	1995	3											
	1994	3	103 3-hr	25 3-hr	3.6	6.2	6.2	6	10.0	M8 D 6 H 3	2.3	2.0	2.1
Washington–McMillan Reserv	1995	2	1995 1-hr	248 1-hr	0.8	1.0	2.4	0	11.7	M7 D20 H 6	1.3	1.6	2.6
	1994	2	734 1-hr	91 1-hr	1.5	2.0	4.4	7	32.0	M7 D30 H14	1.7	1.6	5.5
Washington–Fort Meade	1995	3	97 3-hr	12 3-hr	1.0	1.2	2.3	6	7.9	M8 D10 H12	0.9	0.8	1.5
	1994	3											
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	0.8	1.4	2.4	6	9.3	M6 D22 H 5	1.0	1.1	1.6
	1994	4	1493 1-hr	186 1-hr	0.5	0.8	1.8	21	6.6	M6 D23 H 0	0.7	0.9	1.5
ISOPRENE (ppbC)													
Composite average	1995	All	Sites = 17		2.8	1.9	6.6						
	1994	All			2.5	1.9	6.5						
Composite average	1995	2	Sites = 11		2.5	1.8	5.8						
	1994	2			2.4	1.8	6.0						
Composite average	1995	3	Sites = 2		3.0	0.9	8.3						
	1994	3			2.9	1.7	8.7						
Composite average	1995	4	Sites = 5		3.4	2.5	7.4						
	1994	4			2.5	2.0	6.5						
Baltimore–Fort Meade	1995	1	97 3-hr	12 3-hr	5.4	5.7	10.9	15	20.4	M8 D 1 H15	4.5	3.3	4.9
	1994	1											
Baltimore–Morgan State	1995	2	1550 1-hr	178 1-hr	1.6	1.3	4.8	18	15.4	M6 D 5 H14	1.8	1.8	2.8
	1994	2											
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	4.1	4.0	9.4	15	19.3	M6 D29 H18	3.9	3.3	3.6
	1994	3											
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	1.8	1.3	5.9	18	21.9	M8 D15 H18	2.3	1.5	4.2
	1994	4	1384 1-hr	171 1-hr	1.9	1.4	6.2	18	20.1	M7 D10 H18	2.3	1.8	4.0
Baton Rouge–Prude	1995	1/3	221 3-hr	28 3-hr	9.0	9.6	20.5	15	40.0	M6 D25 H15	9.3	6.3	10.1
	1994	1/3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
ISOPRENE (ppbC) - (continued)														
Baton Rouge-New Pride	1995	1/3	200 3-hr	25 3-hr	11.2	11.5	27.7	18	55.0	M7 D 8 H18	10.3	3.2	13.4	
	1994	1/3												
Baton Rouge-Capitol	1995	2	645 3-hr	81 3-hr	4.3	4.2	8.8	18	23.9	M6 D 4 H18	3.2	2.5	3.8	
	1994	2	688 3-hr	85 3-hr	3.2	3.2	8.6	18	57.9	M6 D 6 H 9	4.2	3.3	6.6	
Boston-Lynn	1995	2	2057 1-hr	263 1-hr	4.4	3.3	11.9	11	32.4	M7 D29 H17	5.0	3.0	7.1	
	1994	2	1784 1-hr	242 1-hr	4.4	3.1	13.7	12	39.1	M8 D 2 H12	5.5	2.9	8.6	
Boston-Newbury	1995	3	848 1-hr	109 1-hr	2.7	2.6	9.1	18	113.0	M8 D21 H 5	5.8	10.8	18.2	
	1994	3												
Connecticut-E. Hartford	1995	2												
	1994	2	529 1-hr	58 1-hr	1.6	1.1	4.8	17	24.0	M7 D 8 H12	1.9	1.2	4.3	
Connecticut-Stafford	1995	3	1665 1-hr	197 1-hr	5.6	1.6	16.1	18	67.3	M7 D14 H18	6.9	1.7	11.4	
	1994	3	1033 1-hr	129 1-hr	5.4	3.2	16.9	18	50.6	M8 D 2 H17	6.7	3.6	11.7	
Connecticut-Cape Eliz., ME	1995	4	1940 1-hr	254 1-hr	1.7	2.6	5.7	7	22.4	M6 D19 H12	2.9	3.1	5.0	
	1994	4	1752 1-hr	204 1-hr	1.5	2.1	5.8	7	21.6	M7 D20 H 7	2.4	3.0	4.8	
EI Paso-N. Campbell	1995	2												
	1994	2	47 3-hr	47 3-hr	0.8	0.8	0.8	5	10.3	M8 D 1 H 5	1.5	1.5	1.5	
EI Paso-Chamizal	1995	2	986 1-hr	137 1-hr	0.5	0.7	1.8	20	10.3	M6 D22 H12	0.7	0.5	1.7	
	1994	2												
Houston-Clinton Dr.	1995	2	1532 1-hr	206 1-hr	2.1	1.8	6.0	13	34.4	M7 D13 H21	2.2	1.4	4.7	
	1994	2												
Lake Michigan-Braidwood	1995	1	107 3-hr	36 3-hr	5.0	2.3	7.2	15	26.6	M7 D13 H15	5.5	2.2	6.4	
	1994	1												
Lake Michigan-Chicago	1995	2												
	1994	2	132 3-hr	33 3-hr	0.6	0.8	1.4	0	5.6	M8 D12 H 6	1.0	1.1	1.2	
Lake Michigan-Chicago-Jardine	1995	2	139 3-hr	36 3-hr	1.0	0.3	2.6	12	24.7	M7 D11 H12	2.8	0.4	4.5	
	1994	2												
Lake Michigan-Gary	1995	2	1165 1-hr	153 1-hr	1.9	2.5	5.8	23	18.7	M8 D24 H13	2.1	2.0	4.5	
	1994	2												
Lake Michigan-Milwaukee	1995	2	128 3-hr	35 3-hr	0.5	0.5	0.7	23	3.0	M6 D19 H14	0.6	0.4	0.8	
	1994	2	133 3-hr	34 3-hr	0.6	0.7	0.8	23	3.6	M8 D 5 H23	0.5	0.4	0.5	
Lake Michigan-Harrington B	1995	3	95 3-hr	32 3-hr	0.3	0.2	0.5	5	1.7	M7 D13 H14	0.4	0.3	0.4	
	1994	3	95 3-hr	33 3-hr	0.3	0.2	0.5	5	1.3	M6 D18 H10	0.3	0.3	0.4	
Lake Michigan-Camp Logan	1995	4	107 3-hr	36 3-hr	8.9	3.7	14.2	12	50.3	M6 D19 H15	9.1	3.2	11.1	
	1994	4	141 3-hr	35 3-hr	5.3	3.2	10.2	12	27.9	M6 D17 H12	6.1	3.9	6.3	
Lake Michigan-Manitowoc	1995	4	75 3-hr	27 3-hr	2.5	1.3	3.8	11	14.0	M6 D19 H14	2.5	1.3	3.1	
	1994	4												
New York-Bronx Bot. Garden	1995	2	2032 1-hr	267 1-hr	3.4	1.1	9.8	15	38.7	M8 D 2 H13	4.2	1.3	6.9	
	1994	2	131 3-hr	23 3-hr	3.7	2.3	7.5	15	15.5	M7 D 8 H 9	3.4	1.5	3.8	
Philadelphia-Lums Pond	1995	1	1895 1-hr	239 1-hr	1.8	1.3	5.9	18	21.9	M8 D15 H18	2.3	1.5	4.2	
	1994	1	1384 1-hr	171 1-hr	1.9	1.4	6.2	18	20.1	M7 D10 H18	2.3	1.8	4.0	
Philadelphia-East Lycoming	1995	2	577 3-hr	69 3-hr	1.3	1.0	2.7	8	5.9	M8 D10 H20	1.1	1.0	1.2	
	1994	2	630 3-hr	76 3-hr	1.3	0.9	2.9	11	8.0	M8 D24 H23	1.3	0.8	1.4	
Philadelphia-Rider University	1995	3	2096 1-hr	258 1-hr	3.9	2.1	12.1	18	39.3	M7 D14 H18	4.5	2.3	7.5	
	1994	3												
Providence-E. Providence	1995	2	681 3-hr	92 3-hr	2.6	2.3	5.6	14	23.0	M7 D15 H11	3.0	2.0	4.0	
	1994	2	366 3-hr	34 3-hr	2.3	2.5	4.2	15	12.0	M7 D16 H21	2.2	1.9	2.8	
Sacramento-Del Paso	1995	2												
	1994	2	83 3-hr	23 3-hr	1.2	1.0	2.0	16	9.0	M8 D 9 H 5	1.2	1.8	1.7	
San Diego-El Cajon	1995	2	109 3-hr	27 3-hr	2.0	1.0	3.6	12	6.8	M7 D17 H12	1.7	1.2	1.3	
	1994	2	120 3-hr	29 3-hr	2.5	1.6	3.9	12	6.4	M8 D15 H16	1.4	0.7	1.0	
San Diego-Overland	1995	2	112 3-hr	28 3-hr	0.8	0.4	1.6	12	3.7	M8 D28 H12	0.8	0.5	0.7	
	1994	2	45 3-hr	11 3-hr	1.1	0.6	2.1	12	2.7	M9 D 8 H16	0.9	0.6	0.4	
San Diego-Alpine	1995	3	115 3-hr	29 3-hr	2.9	3.0	4.8	12	8.8	M7 D29 H12	2.2	1.5	1.9	
	1994	3												
San Joaquin-Clovis-Villa	1995	2												
	1994	2	111 3-hr	28 3-hr	2.5	1.0	4.5	23	12.0	M8 D 6 H12	2.6	0.8	3.3	
San Joaquin-Golden St. Av.	1995	2												
	1994	2	105 3-hr	27 3-hr	0.8	0.9	1.2	23	2.0	M7 D 7 H16	0.6	0.6	0.7	
South Coast/SEDAB-Pico Riv	1995	2	412 3-hr	58 3-hr	1.4	1.5	2.3	0	10.9	M8 D14 H 6	1.0	1.6	1.4	
	1994	2	825 3-hr	97 3-hr	1.8	1.5	6.3	21	8.9	M9 D26 H21	1.8	1.0	1.4	
South Coast/SEDAB-Azusa	1995	3	166 3-hr	21 3-hr	1.0	1.0	1.6	15	3.4	M8 D31 H15	0.5	0.5	0.7	
	1994	3												
South Coast/SEDAB-Upland	1995	4	180 3-hr	24 3-hr	2.6	3.7	5.2	12	13.3	M8 D31 H 6	2.1	2.7	2.0	
	1994	4	202 3-hr	27 3-hr	2.0	2.1	3.9	12	6.6	M8 D12 H 6	1.4	1.3	1.2	
Springfield-Agawam	1995	1	116 3-hr	15 3-hr	4.5	1.8	9.2	23	33.8	M7 D14 H17	6.0	1.2	8.6	
	1994	1												
Springfield-Chicopee	1995	2	1316 1-hr	183 1-hr	4.3	2.3	11.0	17	44.6	M7 D14 H15	5.2	2.1	8.8	
	1994	2	1449 1-hr	185 1-hr	3.3	2.3	10.1	13	47.1	M6 D14 H13	4.0	2.3	7.8	
Springfield-Ware	1995	3	1349 1-hr	191 1-hr	15.9	5.1	43.8	14	99.4	M7 D27 H14	18.5	6.2	22.9	
	1994	3												
Ventura Co.-El Rio	1995	2												
	1994	2												

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
ISOPRENE (ppbC) - (continued)													
Ventura Co.-Simi Valley	1995	3											
	1994	3											
Washington-Corbin	1995	1											
	1994	1	229 3-hr	29 3-hr	12.1	5.9	31.2	17	68.2	M6 D22 H17	11.9	4.2	13.8
Washington-McMillan Reserv	1995	2	1372 1-hr	174 1-hr	2.4	1.8	6.1	17	15.0	M8 D 4 H 6	2.2	2.1	3.0
	1994	2	734 1-hr	91 1-hr	2.5	1.6	6.3	19	20.3	M8 D28 H19	2.2	1.2	3.8
Washington-Fort Meade	1995	3	97 3-hr	12 3-hr	5.4	5.7	10.9	15	20.4	M8 D 1 H15	4.5	3.3	4.9
	1994	3											
Washington-Lums Pond	1995	4	1895 1-hr	239 1-hr	1.8	1.3	5.9	18	21.9	M8 D15 H18	2.3	1.5	4.2
	1994	4	1384 1-hr	171 1-hr	1.9	1.4	6.2	18	20.1	M7 D10 H18	2.3	1.8	4.0
2,2,4-TRIMETHYLPENTANE (ppbC)													
Composite average	1995	All	Sites = 17		2.4	3.0	4.8						
	1994	All			2.8	3.8	5.4						
Composite average	1995	2	Sites = 11		2.8	3.5	5.7						
	1994	2			3.3	4.4	6.4						
Composite average	1995	3	Sites = 2		3.0	0.9	8.3						
	1994	3			2.9	1.7	8.7						
Composite average	1995	4	Sites = 5		3.4	2.5	7.4						
	1994	4			2.5	2.0	6.5						
Baltimore-Fort Meade	1995	1	97 3-hr	12 3-hr	1.3	1.5	3.0	21	11.0	M8 D10 H12	1.3	1.0	2.3
	1994	1											
Baltimore-Morgan State	1995	2	1549 1-hr	178 1-hr	2.5	3.2	5.9	21	16.7	M7 D30 H22	1.8	2.1	2.8
	1994	2											
Baltimore-Aldino	1995	3	240 3-hr	30 3-hr	4.8	4.7	12.1	3	100.7	M8 D13 H 0	8.9	7.3	17.9
	1994	3											
Baltimore-Lums Pond	1995	4	1895 1-hr	239 1-hr	0.5	0.7	2.2	6	16.9	M6 D22 H10	0.9	0.9	2.4
	1994	4	1493 1-hr	186 1-hr	0.6	0.9	1.8	6	6.2	M8 D 4 H 2	0.7	0.8	1.0
Baton Rouge-Pride	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	0.4	0.4	1.1	0	2.4	M7 D16 H 0	0.6	0.7	0.8
Baton Rouge-New Pride	1995	1/3	200 3-hr	25 3-hr	0.7	0.8	1.6	0	7.6	M8 D25 H21	0.8	0.6	1.3
	1994	1/3											
Baton Rouge-Capitol	1995	2	645 3-hr	81 3-hr	4.4	5.5	10.6	0	34.1	M6 D27 H 3	4.5	4.1	7.3
	1994	2	688 3-hr	85 3-hr	2.7	4.2	6.5	6	21.8	M8 D10 H 0	3.0	3.4	4.4
Boston-Lynn	1995	2	2050 1-hr	262 1-hr	1.7	1.9	4.1	20	13.2	M8 D 9 H22	1.3	1.3	2.1
	1994	2	1863 1-hr	252 1-hr	1.6	1.7	4.0	22	31.9	M6 D29 H 1	1.3	1.1	3.5
Boston-Newbury	1995	3	645 1-hr	80 1-hr	1.3	1.3	3.0	21	9.4	M8 D17 H22	1.0	1.0	1.8
	1994	3											
Connecticut-E. Hartford	1995	2											
	1994	2	521 1-hr	59 1-hr	1.4	1.8	3.2	0	21.2	M7 D 8 H12	1.3	1.2	3.3
Connecticut-Stafford	1995	3	1455 1-hr	182 1-hr	0.9	1.1	1.9	20	22.7	M6 D10 H 1	0.7	0.6	2.6
	1994	3	654 1-hr	89 1-hr	1.0	1.1	2.9	0	21.3	M8 D 4 H11	1.4	0.6	4.3
Connecticut-Cape Eliz., ME	1995	4	1937 1-hr	251 1-hr	0.6	0.8	1.8	6	6.7	M7 D15 H 1	0.7	0.8	1.1
	1994	4	1752 1-hr	204 1-hr	0.9	1.0	1.6	7	3.6	M8 D26 H 9	0.4	0.5	0.7
El Paso-N. Campbell	1995	2											
	1994	2	47 3-hr	47 3-hr	6.0	6.0	6.0	5	12.9	M8 D25 H 5	2.8	2.8	2.8
El Paso-Chamizal	1995	2	1051 1-hr	141 1-hr	6.9	8.4	21.1	5	120.3	M7 D26 H21	9.6	7.4	18.3
	1994	2											
Houston-Clinton Dr.	1995	2	1728 1-hr	235 1-hr	3.4	4.9	11.4	6	74.6	M7 D13 H21	4.0	3.6	10.5
	1994	2											
Lake Michigan-Braidwood	1995	1	107 3-hr	36 3-hr	0.2	0.4	0.4	6	2.3	M6 D23 H 6	0.4	0.6	0.6
	1994	1											
Lake Michigan-Chicago	1995	2											
	1994	2	132 3-hr	33 3-hr	6.4	7.4	9.6	6	22.2	M6 D17 H 6	3.6	4.5	4.5
Lake Michigan-Chicago-Jardine	1995	2	139 3-hr	36 3-hr	4.1	3.8	7.1	0	42.0	M7 D29 H 0	5.4	4.7	8.3
	1994	2											
Lake Michigan-Gary	1995	2	1100 1-hr	150 1-hr	2.8	3.1	9.1	23	24.0	M8 D22 H 0	3.1	2.8	5.7
	1994	2											
Lake Michigan-Milwaukee	1995	2	128 3-hr	35 3-hr	2.1	2.6	2.8	23	20.0	M6 D13 H23	2.3	2.3	2.6
	1994	2	63 3-hr	15 3-hr	3.7	4.9	4.8	23	29.0	M8 D 5 H23	5.2	4.4	5.6
Lake Michigan-Harrington B	1995	3	91 3-hr	32 3-hr	0.5	0.6	0.8	5	2.2	M6 D16 H11	0.5	0.5	0.6
	1994	3	52 3-hr	17 3-hr	0.4	0.6	0.5	5	2.1	M6 D10 H 5	0.5	0.7	0.7
Lake Michigan-Camp Logan	1995	4	107 3-hr	36 3-hr	1.0	1.2	1.6	6	7.0	M6 D23 H 6	1.3	1.4	1.4
	1994	4	141 3-hr	35 3-hr	1.5	2.1	3.1	0	9.1	M6 D16 H 0	2.0	2.1	2.7
Lake Michigan-Manitowoc	1995	4	79 3-hr	29 3-hr	0.5	0.6	0.7	5	3.4	M7 D29 H14	0.6	0.4	0.7
	1994	4											
New York-Bronx Bot. Garden	1995	2	1868 1-hr	243 1-hr	4.3	4.5	9.8	23	37.4	M8 D31 H 1	3.0	3.1	5.6
	1994	2	131 3-hr	23 3-hr	4.4	4.7	7.6	21	13.8	M8 D27 H 0	2.4	2.7	2.7
Philadelphia-Lums Pond	1995	1	1895 1-hr	239 1-hr	0.5	0.7	2.2	6	16.9	M6 D22 H10	0.9	0.9	2.4
	1994	1	1493 1-hr	186 1-hr	0.6	0.9	1.8	6	6.2	M8 D 4 H 2	0.7	0.8	1.0
Philadelphia-East Lycoming	1995	2	577 3-hr	69 3-hr	2.1	2.8	4.0	20	8.9	M7 D 9 H23	1.5	1.8	1.7
	1994	2	630 3-hr	76 3-hr	3.0	4.3	6.2	5	23.4	M8 D28 H 2	2.6	3.1	4.1
Philadelphia-Rider University	1995	3	2099 1-hr	258 1-hr	0.9	1.3	2.2	0	8.9	M6 D24 H 7	0.8	1.3	1.3
	1994	3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
Providence–E. Providence	1995	2	678 3-hr	89 3-hr	1.6	2.6	3.5	5	21.1	M7 D20 H 5	1.7	3.0	2.9	
	1994	2	366 3-hr	34 3-hr	1.4	2.1	2.7	21	8.1	M7 D16 H21	1.2	1.7	2.0	
Sacramento–Del Paso	1995	2												
	1994	2	83 3-hr	23 3-hr	1.0	1.3	1.5	5	9.0	M9 D26 H 5	1.3	1.9	1.8	
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	3.0	4.4	4.7	5	17.4	M7 D 8 H 2	2.2	2.2	2.9	
	1994	2	120 3-hr	29 3-hr	4.5	7.0	7.4	5	21.7	M9 D26 H16	3.6	4.5	5.0	
San Diego–Overland	1995	2	112 3-hr	28 3-hr	1.3	2.0	2.2	5	5.8	M9 D12 H 5	0.9	1.3	1.2	
	1994	2	45 3-hr	11 3-hr	2.5	3.3	3.5	5	6.9	M9 D29 H 5	1.6	1.9	1.8	
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	1.1	1.2	1.6	5	2.5	M9 D15 H16	0.6	0.5	0.5	
	1994	3												
San Joaquin–Clovis–Villa	1995	2												
	1994	2	111 3-hr	28 3-hr	1.3	2.4	2.2	5	6.0	M9 D 4 H23	1.4	1.5	1.6	
San Joaquin–Golden St. Av.	1995	2												
	1994	2	105 3-hr	27 3-hr	0.9	1.3	1.3	5	4.0	M8 D 6 H 5	0.8	1.1	1.0	
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr	61 3-hr	6.0	7.3	9.7	6	31.0	M7 D29 H 0	3.3	3.6	4.3	
	1994	2	866 3-hr	103 3-hr	6.5	8.3	12.0	21	100.4	M8 D15 H 0	6.2	8.1	9.6	
South Coast/SEDAB–Azusa	1995	3	172 3-hr	22 3-hr	6.3	8.0	9.5	6	15.2	M8 D31 H 6	2.7	3.4	2.7	
	1994	3												
South Coast/SEDAB–Upland	1995	4	181 3-hr	24 3-hr	6.4	8.5	10.8	6	16.1	M8 D 7 H 3	3.2	3.3	3.2	
	1994	4	220 3-hr	28 3-hr	7.9	11.1	12.7	21	22.9	M7 D22 H 3	3.9	4.1	4.1	
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	0.9	1.2	1.6	23	3.1	M8 D 1 H 5	0.8	1.0	0.9	
	1994	1												
Springfield–Chicopee	1995	2	1352 1-hr	177 1-hr	1.5	1.8	3.2	22	8.4	M7 D21 H 6	1.0	1.2	1.5	
	1994	2	1423 1-hr	184 1-hr	2.0	2.4	5.5	0	47.6	M8 D26 H 3	2.2	1.5	7.4	
Springfield–Ware	1995	3	521 1-hr	83 1-hr	0.9	1.0	2.4	23	35.2	M8 D 1 H 8	1.8	0.5	6.1	
	1994	3												
Ventura Co.–El Rio	1995	2												
	1994	2	94 3-hr	25 3-hr	2.0	3.4	3.4	6	6.0	M9 D26 H 6	1.3	1.3	1.1	
Ventura Co.–Simi Valley	1995	3												
	1994	3	103 3-hr	25 3-hr	4.4	8.4	8.3	6	15.0	M9 D 8 H 6	3.3	3.2	3.4	
Washington–McMillan Reserv	1995	2	1995 1-hr	248 1-hr	2.6	3.3	8.5	21	59.0	M7 D30 H23	3.5	3.8	8.9	
	1994	2	734 1-hr	91 1-hr	3.7	5.3	9.7	22	29.2	M8 D 7 H 0	3.5	4.7	6.5	
Washington–Fort Meade	1995	3	97 3-hr	12 3-hr	1.3	1.5	3.0	21	11.0	M8 D10 H12	1.3	1.0	2.3	
	1994	3												
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	0.5	0.7	2.2	6	16.9	M6 D22 H10	0.9	0.9	2.4	
	1994	4	1493 1-hr	186 1-hr	0.6	0.9	1.8	6	6.2	M8 D 4 H 2	0.7	0.8	1.0	
FORMALDEHYDE (ppbC)														
Composite average	1995	All	Sites = 6		7.6	7.5	10.8							
	1994	All			5.9	5.1	9.4							
Composite average	1995	2	Sites = 5		5.0	4.6	8.2							
	1994	2			4.7	3.9	8.3							
Baltimore–Essex	1995	2												
	1994	2	680 3-hr	85 3-hr	6.5	6.4	10.0	12	38.1	M6 D 7 H12	3.9	3.7	5.0	
Baton Rouge–Capitol	1995	2	645 3-hr	82 3-hr	4.2	4.4	6.5	9	13.7	M8 D21 H12	2.4	2.5	2.7	
	1994	2												
Boston–Lynn	1995	2	577 3-hr	66 3-hr	3.4	2.6	5.5	11	16.2	M7 D31 H14	2.5	2.1	3.1	
	1994	2	580 3-hr	69 3-hr	4.8	3.9	8.2	11	19.7	M7 D30 H14	3.1	2.1	3.5	
Connecticut–E. Hartford	1995	2	392 3-hr	34 3-hr	5.1	3.5	7.9	14	16.1	M8 D 1 H14	3.0	2.8	3.5	
	1994	2	459 3-hr	53 3-hr	4.9	3.6	11.5	12	77.7	M6 D13 H12	5.8	2.2	14.5	
Lake Michigan–Braidwood	1995	1	111 3-hr	37 3-hr	3.6	3.7	4.6	6	19.3	M8 D19 H 6	2.0	3.0	2.8	
	1994	1												
Lake Michigan–Chicago	1995	2												
	1994	2	136 3-hr	33 3-hr	9.6	9.7	11.6	15	30.1	M6 D16 H15	5.3	4.9	6.0	
Lake Michigan–Chicago–Jardine	1995	2	145 3-hr	36 3-hr	9.2	9.1	13.3	0	86.0	M8 D28 H15	7.0	1.8	12.6	
	1994	2												
Lake Michigan–Milwaukee	1995	2	131 3-hr	34 3-hr	8.1	5.6	12.7	23	33.1	M8 D 7 H14	6.4	1.6	9.1	
	1994	2												
Lake Michigan–Harrington B	1995	3	102 3-hr	35 3-hr	5.9	6.9	8.7	5	21.3	M8 D13 H 5	5.2	6.4	6.1	
	1994	3												
Lake Michigan–Camp Logan	1995	4	109 3-hr	37 3-hr	20.3	21.5	23.7	6	43.2	M8 D22 H 6	10.6	11.3	11.1	
	1994	4	140 3-hr	35 3-hr	12.1	11.2	14.7	15	28.6	M6 D19 H15	6.4	6.1	5.5	
Lake Michigan–Manitowoc	1995	4	69 3-hr	24 3-hr	4.0	3.4	5.6	11	31.6	M7 D17 H14	4.9	5.0	7.1	
	1994	4												
New York–Bronx Bot. Garden	1995	2	306 3-hr	38 3-hr	4.9	4.2	7.1	12	13.8	M8 D 2 H 9	2.6	2.0	2.9	
	1994	2												
Philadelphia–East Lycoming	1995	2	727 3-hr	92 3-hr	5.6	4.6	8.0	14	16.1	M6 D20 H17	2.5	2.0	2.4	
	1994	2	710 3-hr	88 3-hr	6.1	5.3	8.8	8	16.8	M7 D 8 H 8	2.7	2.5	2.8	
Providence–E. Providence	1995	2	653 3-hr	83 3-hr	4.0	3.3	5.9	11	16.1	M7 D14 H17	2.3	1.7	2.7	
	1994	2	460 3-hr	59 3-hr	3.8	3.8	5.8	15	13.6	M6 D18 H 9	2.2	1.9	2.5	
San Diego–El Cajon	1995	2	111 3-hr	28 3-hr	5.0	4.8	7.0	12	15.8	M9 D18 H 2	2.3	2.3	2.7	
	1994	2												
San Diego–Overland	1995	2	120 3-hr	30 3-hr	2.3	2.4	3.5	12	7.9	M8 D31 H12	1.2	1.1	1.3	
	1994	2												

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
FORMALDEHYDE (ppbC) - (continued)													
South Coast/SEDAB-Pico Riv	1995	2	494 3-hr	60 3-hr	4.6	5.2	7.7	9	64.5	M9 D27 H12	3.4	2.0	7.6
	1994	2	211 3-hr	18 3-hr	7.1	9.3	13.9	17	110.8	M7 D 6 H23	16.1	24.2	24.0
Springfield-Chicopee	1995	2	505 3-hr	61 3-hr	4.0	2.7	7.2	11	27.1	M8 D26 H14	2.8	1.2	4.6
	1994	2	131 3-hr	34 3-hr	2.0	2.0	2.8	6	6.0	M9 D 6 H13	1.1	1.0	1.2
Ventura Co.-El Rio	1995	2											
	1994	2											
ACETALDEHYDE (ppbC)													
Composite average	1995	All	Sites = 6		3.2	3.2	5.2						
	1994	All			3.6	3.3	6.0						
Composite average	1995	2	Sites = 5		2.9	3.0	5.1						
	1994	2			3.5	3.2	6.2						
Baltimore-Essex	1995	2	734 3-hr	92 3-hr	3.4	3.0	5.2	21	20.4	M8 D31 H 9	1.7	1.4	2.2
	1994	2	680 3-hr	85 3-hr	4.7	6.1	8.1	6	29.3	M6 D 3 H21	2.7	2.8	3.5
Baton Rouge-Capitol	1995	2	645 3-hr	82 3-hr	1.4	1.7	2.4	6	6.0	M8 D28 H 6	0.9	1.2	1.2
	1994	2											
Boston-Lynn	1995	2	576 3-hr	66 3-hr	2.0	2.1	3.4	20	17.7	M7 D 7 H 5	1.5	2.5	2.5
	1994	2	580 3-hr	69 3-hr	2.6	2.4	4.3	8	12.4	M6 D13 H11	1.6	1.3	2.2
Connecticut-E. Hartford	1995	2	396 3-hr	34 3-hr	3.2	3.0	5.4	14	16.7	M8 D22 H 2	1.8	1.7	3.0
	1994	2	485 3-hr	53 3-hr	3.8	2.7	9.3	12	180.6	M6 D17 H 9	9.2	1.4	25.6
Lake Michigan-Braidwood	1995	1	111 3-hr	37 3-hr	1.7	1.9	2.2	6	4.6	M6 D23 H 6	0.9	1.1	0.8
	1994	1											
Lake Michigan-Chicago	1995	2											
	1994	2	136 3-hr	33 3-hr	6.5	6.5	8.1	12	20.2	M6 D16 H12	3.3	3.2	3.7
Lake Michigan-Chicago-Jardine	1995	2	145 3-hr	36 3-hr	3.5	3.8	4.9	6	10.0	M7 D13 H15	1.8	1.7	1.8
	1994	2											
Lake Michigan-Milwaukee	1995	2	90 3-hr	24 3-hr	10.0	9.0	13.3	23	37.6	M7 D14 H14	5.2	3.4	7.3
	1994	2											
Lake Michigan-Harrington B	1995	3	69 3-hr	24 3-hr	9.6	12.3	13.0	5	56.6	M6 D 5 H 5	7.7	11.2	9.7
	1994	3											
Lake Michigan-Camp Logan	1995	4	109 3-hr	37 3-hr	4.6	3.9	5.4	12	12.6	M8 D12 H15	2.2	1.6	2.5
	1994	4	140 3-hr	35 3-hr	4.1	3.9	5.2	12	11.2	M6 D18 H12	1.9	1.8	2.1
Lake Michigan-Manitowoc	1995	4	37 3-hr	13 3-hr	8.1	8.1	10.7	5	40.4	M7 D17 H14	7.2	6.8	10.6
	1994	4											
New York-Bronx Bot. Garden	1995	2	306 3-hr	38 3-hr	3.4	3.3	5.3	9	18.5	M7 D13 H 9	2.5	2.6	3.4
	1994	2											
Philadelphia-East Lycoming	1995	2	727 3-hr	92 3-hr	3.6	3.5	5.8	8	18.1	M8 D28 H 5	1.8	2.3	2.4
	1994	2	710 3-hr	88 3-hr	5.0	4.8	7.6	8	15.9	M8 D11 H14	2.6	2.7	3.0
Providence-E. Providence	1995	2	656 3-hr	84 3-hr	2.7	2.5	4.1	8	11.0	M7 D27 H20	1.5	1.6	2.0
	1994	2	462 3-hr	60 3-hr	3.1	3.5	4.8	21	20.6	M7 D 5 H 0	1.9	2.3	2.5
San Diego-El Cajon	1995	2	111 3-hr	28 3-hr	3.2	3.6	4.5	12	10.8	M8 D28 H 5	1.8	2.2	2.2
	1994	2											
San Diego-Overland	1995	2	120 3-hr	30 3-hr	1.8	1.9	2.7	12	6.8	M8 D31 H12	1.1	1.1	1.3
	1994	2											
South Coast/SEDAB-Pico Riv	1995	2	494 3-hr	60 3-hr	7.0	6.3	14.0	12	22.6	M8 D 5 H 9	4.6	2.8	3.7
	1994	2	212 3-hr	18 3-hr	3.2	4.0	6.9	14	60.3	M7 D 6 H20	6.0	8.4	11.6
Springfield-Chicopee	1995	2	504 3-hr	60 3-hr	3.0	2.8	5.0	8	18.3	M7 D18 H11	2.0	1.5	2.9
	1994	2	131 3-hr	34 3-hr	1.8	2.1	2.5	6	6.0	M7 D13 H 9	1.2	1.3	1.5
M/P XYLENE (ppbC)													
Composite average	1995	All	Sites = 14		4.6	5.8	10.3						
	1994	All			5.0	6.9	9.5						
Composite average	1995	2	Sites = 10		6.1	7.7	13.6						
	1994	2			6.5	9.0	12.2						
Composite average	1995	3	Sites = 2		0.7	1.1	1.6						
	1994	3			1.2	1.7	3.1						
Composite average	1995	4	Sites = 3		0.7	1.3	2.2						
	1994	4			0.9	1.5	2.9						
Baltimore-Fort Meade	1995	1	97 3-hr	12 3-hr	1.8	2.6	4.2	6	7.2	M7 D 8 H 3	1.5	1.6	1.9
	1994	1											
Baltimore-Morgan State	1995	2	1549 1-hr	178 1-hr	2.9	4.2	8.0	21	33.3	M7 D31 H18	2.4	3.0	5.1
	1994	2											
Baltimore-Aldino	1995	3	240 3-hr	30 3-hr	1.2	1.4	2.3	6	4.0	M8 D22 H18	0.8	0.7	0.9
	1994	3											
Baltimore-Lums Pond	1995	4	1895 1-hr	239 1-hr	0.6	1.3	2.2	6	7.4	M8 D22 H22	0.9	1.2	1.5
	1994	4	1493 1-hr	186 1-hr	0.9	1.6	3.1	5	11.9	M6 D 9 H 3	1.3	1.8	2.5
Baton Rouge-Pride	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	0.8	0.8	1.7	0	3.3	M7 D16 H 0	0.8	0.8	0.9
Baton Rouge-New Pride	1995	1/3	200 3-hr	25 3-hr	0.9	1.0	1.9	0	3.7	M6 D23 H 3	0.7	0.5	0.9
	1994	1/3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
M/P XYLENE (ppbC) - (continued)														
Baton Rouge–Capitol	1995	2	645 3-hr		81 3-hr	5.2	6.8	13.2	6	61.9	M6 D26 H21	6.1	5.2	10.9
	1994	2	688 3-hr		85 3-hr	4.1	6.5	9.9	6	44.0	M8 D 9 H21	4.5	4.4	7.4
Boston–Lynn	1995	2	2104 1-hr		263 1-hr	2.9	3.3	6.2	20	15.1	M8 D 9 H22	1.8	2.0	2.8
	1994	2	1899 1-hr		253 1-hr	3.5	3.9	8.5	6	23.7	M7 D 1 H14	2.5	2.4	4.1
Boston–Newbury	1995	3	841 1-hr		110 1-hr	1.4	1.4	4.0	22	44.8	M8 D10 H17	2.2	1.1	4.6
	1994	3												
Connecticut–E. Hartford	1995	2												
	1994	2	658 1-hr		70 1-hr	3.7	4.7	11.0	4	47.7	M7 D18 H10	4.6	3.6	10.6
Connecticut–Stafford	1995	3	1441 1-hr		200 1-hr	1.0	1.3	2.2	6	7.0	M6 D23 H11	0.8	1.0	1.2
	1994	3	1064 1-hr		131 1-hr	1.4	1.8	4.4	0	30.2	M6 D 1 H18	1.6	1.1	4.7
Connecticut–Cape Eliz., ME	1995	4	1940 1-hr		254 1-hr	0.7	1.3	2.2	6	8.7	M8 D25 H 6	0.8	1.0	1.3
	1994	4	1751 1-hr		204 1-hr	0.7	1.3	2.4	7	8.2	M6 D15 H 0	0.9	1.1	1.6
El Paso–N. Campbell	1995	2												
	1994	2	47 3-hr		47 3-hr	14.8	14.8	14.9	5	30.0	M7 D25 H 5	6.6	6.6	6.7
El Paso–Chamizal	1995	2	1055 1-hr		141 1-hr	10.6	13.3	38.6	5	199.4	M7 D26 H21	17.8	13.3	32.9
	1994	2												
Houston–Clinton Dr.	1995	2	1728 1-hr		235 1-hr	10.0	14.1	30.4	5	134.6	M8 D17 H23	9.5	9.5	21.6
	1994	2												
Lake Michigan–Braidwood	1995	1	107 3-hr		36 3-hr	0.7	1.3	1.4	6	5.2	M8 D22 H 6	0.9	1.1	1.1
	1994	1												
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr		36 3-hr	6.5	7.2	9.0	0	19.1	M6 D14 H 6	3.6	3.7	3.8
	1994	2												
Lake Michigan–Gary	1995	2	1136 1-hr		152 1-hr	3.9	5.1	11.7	23	36.7	M8 D22 H 0	4.3	4.4	7.7
	1994	2												
Lake Michigan–Milwaukee	1995	2	128 3-hr		35 3-hr	2.9	3.9	4.1	23	24.0	M6 D13 H23	3.0	3.2	3.4
	1994	2	134 3-hr		34 3-hr	5.4	8.0	8.4	23	45.0	M8 D 5 H23	6.6	7.5	7.8
Lake Michigan–Harrington B	1995	3	96 3-hr		33 3-hr	0.5	1.0	1.0	5	4.1	M6 D23 H 5	0.7	0.9	0.9
	1994	3	95 3-hr		33 3-hr	1.1	1.7	1.8	5	4.7	M8 D18 H 5	1.1	1.2	1.3
Lake Michigan–Camp Logan	1995	4	107 3-hr		36 3-hr	1.3	2.1	2.4	6	6.0	M6 D23 H 6	1.5	1.6	1.6
	1994	4												
Lake Michigan–Manitowoc	1995	4	80 3-hr		29 3-hr	0.6	0.9	1.0	5	4.4	M7 D29 H14	0.8	0.6	0.9
	1994	4												
New York–Bronx Bot. Garden	1995	2	1868 1-hr		243 1-hr	8.5	7.1	36.2	23	1272.0	M7 D31 H13	31.7	4.7	140.9
	1994	2	131 3-hr		23 3-hr	8.2	9.0	14.6	21	27.3	M8 D27 H 0	4.8	4.9	5.2
Philadelphia–Lums Pond	1995	1	1895 1-hr		239 1-hr	0.6	1.3	2.2	6	7.4	M8 D22 H22	0.9	1.2	1.5
	1994	1	1493 1-hr		186 1-hr	0.9	1.6	3.1	5	11.9	M6 D 9 H 3	1.3	1.8	2.5
Philadelphia–East Lycoming	1995	2	577 3-hr		69 3-hr	4.1	5.6	7.6	20	17.9	M6 D 5 H 5	2.6	3.4	3.2
	1994	2	630 3-hr		76 3-hr	6.7	9.4	13.0	5	39.2	M8 D30 H23	4.9	5.6	7.2
Philadelphia–Rider University	1995	3	2099 1-hr		258 1-hr	1.9	3.2	5.1	23	21.2	M6 D 1 H 7	1.8	2.7	2.8
	1994	3												
Providence–E. Providence	1995	2	684 3-hr		95 3-hr	3.4	5.5	7.4	5	24.0	M7 D21 H23	3.3	4.6	4.8
	1994	2	366 3-hr		34 3-hr	3.2	4.8	6.3	0	19.8	M8 D28 H 0	2.6	3.1	4.0
Sacramento–Del Paso	1995	2												
	1994	2	83 3-hr		23 3-hr	4.7	6.6	6.9	5	29.0	M9 D26 H 5	4.3	6.0	5.7
San Diego–El Cajon	1995	2	109 3-hr		27 3-hr	7.5	11.8	12.3	5	25.1	M9 D12 H 5	5.0	5.6	5.5
	1994	2	120 3-hr		29 3-hr	10.3	16.6	17.6	5	52.0	M9 D26 H16	8.5	10.1	11.5
San Diego–Overland	1995	2	112 3-hr		28 3-hr	4.3	6.6	7.1	5	20.4	M9 D12 H 5	3.0	4.1	4.2
	1994	2	45 3-hr		11 3-hr	5.9	7.7	8.4	5	18.4	M9 D29 H 5	3.8	4.7	4.8
San Diego–Alpine	1995	3	115 3-hr		29 3-hr	2.4	3.1	3.8	5	6.6	M9 D15 H16	1.3	1.1	1.2
	1994	3												
San Joaquin–Clovis–Villa	1995	2												
	1994	2	111 3-hr		28 3-hr	6.4	11.3	10.5	23	27.0	M8 D12 H 5	6.1	6.8	7.0
San Joaquin–Golden St. Av.	1995	2												
	1994	2	105 3-hr		27 3-hr	14.9	25.2	25.2	5	77.0	M9 D16 H23	14.9	14.6	15.2
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr		61 3-hr	17.1	19.3	27.2	6	265.5	M8 D 1 H15	14.0	8.8	31.5
	1994	2	844 3-hr		99 3-hr	12.6	16.8	22.7	6	73.7	M8 D15 H 3	8.8	12.1	12.1
South Coast/SEDAB–Upland	1995	4												
	1994	4	202 3-hr		27 3-hr	5.3	7.6	8.9	21	15.4	M7 D22 H 3	2.8	2.6	2.6
Springfield–Agawam	1995	1	116 3-hr		15 3-hr	2.4	2.9	3.9	23	21.2	M6 D 4 H23	2.3	1.8	2.3
	1994	1												
Springfield–Chicopee	1995	2	1344 1-hr		184 1-hr	1.7	2.3	4.8	7	12.1	M8 D26 H20	1.8	2.1	2.7
	1994	2	15 1-hr		7 1-hr	3.5	5.1	3.5	7	7.3	M7 D13 H 7	2.1	2.1	2.1
Springfield–Ware	1995	3	1016 1-hr		151 1-hr	0.8	0.9	2.0	23	26.1	M8 D 1 H 8	1.2	0.8	3.4
	1994	3												
Ventura Co.–El Rio	1995	2												
	1994	2	94 3-hr		25 3-hr	4.1	7.6	7.4	6	15.0	M9 D26 H 6	3.0	2.9	2.6
Ventura Co.–Simi Valley	1995	3												
	1994	3	103 3-hr		25 3-hr	10.0	21.7	20.7	6	41.0	M9 D14 H 6	9.2	9.4	9.9
Washington–McMillan Reserv	1995	2	1326 1-hr		164 1-hr	5.3	7.0	15.0	21	49.7	M6 D 4 H23	5.3	6.2	10.0
	1994	2	734 1-hr		91 1-hr	5.1	7.5	12.7	22	36.0	M8 D 7 H 0	4.5	6.2	8.2
Washington–Fort Meade	1995	3	97 3-hr		12 3-hr	1.8	2.6	4.2	6	7.2	M7 D 8 H 3	1.5	1.6	1.9
	1994	3												
Washington–Lums Pond	1995	4	1895 1-hr		239 1-hr	0.6	1.3	2.2	6	7.4	M8 D22 H22	0.9	1.2	1.5
	1994	4	1493 1-hr		186 1-hr	0.9	1.6	3.1	5	11.9	M6 D 9 H 3	1.3	1.8	2.5

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
BENZENE (ppbC)													
Composite average	1995	All	Sites = 19		2.9	3.8	5.3						
	1994	All			4.2	5.6	7.4						
Composite average	1995	2	Sites = 12		3.2	4.2	6.0						
	1994	2			4.7	6.2	8.4						
Composite average	1995	4	Sites = 5		3.0	4.0	5.6						
	1994	4			4.1	5.6	6.9						
Baltimore–Morgan State	1995	2	1549 1-hr	178 1-hr	2.5	3.3	6.1	21	15.0	M7 D30 H22	1.9	2.2	3.2
	1994	2											
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	1.3	1.8	4.0	5	95.8	M6 D23 H 4	2.4	1.3	10.5
	1994	4	1493 1-hr	186 1-hr	1.1	1.5	2.7	6	14.9	M7 D23 H13	1.0	1.1	2.0
Baton Rouge–Pride	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	2.0	2.4	3.3	0	8.6	M6 D 1 H 0	1.3	1.4	1.8
Baton Rouge–New Pride	1995	1/3	200 3-hr	25 3-hr	2.2	2.8	3.4	6	6.1	M6 D23 H 6	1.0	1.2	1.2
	1994	1/3											
Baton Rouge–Capitol	1995	2	645 3-hr	81 3-hr	6.0	8.3	13.2	6	110.5	M6 D23 H 0	7.4	6.3	13.2
	1994	2	688 3-hr	85 3-hr	4.4	6.2	9.1	6	33.3	M7 D 5 H21	3.6	4.0	5.5
Boston–Lynn	1995	2	2075 1-hr	263 1-hr	1.3	1.7	3.3	7	41.5	M8 D31 H 5	1.3	3.0	4.3
	1994	2	1901 1-hr	253 1-hr	2.5	2.8	5.9	22	24.8	M7 D 2 H 4	1.7	1.6	3.3
Boston–Newbury	1995	3	893 1-hr	111 1-hr	1.4	1.4	2.4	3	14.4	M8 D10 H15	0.7	0.5	1.5
	1994	3											
Connecticut–E. Hartford	1995	2											
	1994	2	657 1-hr	70 1-hr	2.0	2.7	4.8	1	20.5	M7 D 8 H12	1.7	1.7	3.5
Connecticut–Stafford	1995	3	1752 1-hr	214 1-hr	1.0	1.1	1.9	0	4.0	M8 D 3 H16	0.5	0.6	0.7
	1994	3	1070 1-hr	131 1-hr	1.7	1.8	4.2	0	32.0	M6 D 1 H18	1.5	0.9	4.7
Connecticut–Cape Eliz., ME	1995	4	1934 1-hr	248 1-hr	0.8	0.9	1.6	6	5.9	M8 D22 H18	0.5	0.6	1.0
	1994	4	1752 1-hr	204 1-hr	0.9	1.2	2.0	23	5.4	M6 D15 H 0	0.7	0.8	1.1
EI Paso–N. Campbell	1995	2											
	1994	2	47 3-hr	47 3-hr	12.5	12.5	12.6	5	25.3	M7 D25 H 5	5.4	5.4	5.4
EI Paso–Chamizal	1995	2	1062 1-hr	143 1-hr	7.8	10.0	24.4	5	135.7	M7 D26 H21	11.3	9.6	21.0
	1994	2											
Houston–Clinton Dr.	1995	2	1728 1-hr	235 1-hr	7.5	8.8	30.2	19	295.0	M8 D14 H19	11.7	7.1	38.4
	1994	2											
Lake Michigan–Braidwood	1995	1	107 3-hr	36 3-hr	1.0	1.4	1.4	6	4.5	M6 D 2 H 6	0.7	0.9	0.9
	1994	1											
Lake Michigan–Chicago	1995	2											
	1994	2	132 3-hr	33 3-hr	9.6	10.9	13.9	6	31.8	M6 D13 H15	5.1	6.2	6.4
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr	36 3-hr	7.0	7.5	9.2	0	19.6	M7 D29 H 0	5.0	4.5	5.5
	1994	2											
Lake Michigan–Gary	1995	2	1188 1-hr	152 1-hr	4.2	4.7	19.5	23	160.0	M8 D16 H17	7.9	7.6	28.1
	1994	2											
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	2.0	2.5	2.6	23	15.0	M6 D13 H23	1.7	1.7	1.8
	1994	2	134 3-hr	34 3-hr	4.3	5.3	5.8	23	38.0	M8 D 5 H23	4.4	3.4	4.7
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	0.8	0.9	1.1	5	2.2	M6 D16 H11	0.4	0.5	0.4
	1994	3	95 3-hr	33 3-hr	1.8	1.9	2.3	5	6.0	M7 D 1 H15	1.0	0.9	1.2
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	1.4	1.7	1.9	6	4.6	M8 D 4 H15	0.9	0.9	1.0
	1994	4	141 3-hr	35 3-hr	1.9	2.6	3.5	0	10.3	M7 D31 H15	1.9	2.1	2.4
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	0.8	0.8	0.9	5	2.0	M7 D29 H14	0.4	0.4	0.4
	1994	4											
New York–Bronx Bot. Garden	1995	2	1684 1-hr	219 1-hr	3.9	4.0	8.2	23	30.4	M8 D31 H 1	2.4	2.8	4.6
	1994	2	131 3-hr	23 3-hr	5.6	6.2	9.3	21	15.8	M7 D20 H 6	2.9	3.4	3.4
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	1.3	1.8	4.0	5	95.8	M6 D23 H 4	2.4	1.3	10.5
	1994	1	1493 1-hr	186 1-hr	1.1	1.5	2.7	6	14.9	M7 D23 H13	1.0	1.1	2.0
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	2.7	3.7	4.9	5	13.5	M8 D14 H 5	1.7	2.3	2.2
	1994	2	630 3-hr	76 3-hr	5.0	7.2	9.8	5	39.2	M8 D25 H 2	4.1	5.1	7.0
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	1.3	1.8	2.7	23	8.2	M6 D 1 H 7	0.8	1.1	1.2
	1994	3											
Providence–E. Providence	1995	2	680 3-hr	91 3-hr	2.0	3.4	4.2	5	25.0	M6 D14 H 5	1.8	3.5	3.6
	1994	2	366 3-hr	34 3-hr	2.4	3.7	4.4	6	17.5	M8 D31 H 6	1.8	3.0	3.2
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	3.4	4.3	4.7	5	20.0	M9 D26 H 5	2.8	4.0	3.9
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	4.4	6.5	6.6	5	13.8	M8 D31 H 5	2.4	3.0	2.9
	1994	2	120 3-hr	29 3-hr	8.1	11.9	12.7	5	38.7	M9 D26 H16	5.8	6.8	7.9
San Diego–Overland	1995	2	112 3-hr	28 3-hr	2.5	4.2	4.3	5	11.6	M9 D12 H 5	1.9	3.0	2.9
	1994	2	45 3-hr	11 3-hr	4.7	6.3	6.8	5	14.1	M9 D29 H 5	3.1	4.0	3.8
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	2.2	2.5	3.1	5	5.1	M7 D29 H 5	1.1	1.0	1.0
	1994	3											
San Joaquin–Clovis–Villa	1995	2											
	1994	2	111 3-hr	28 3-hr	4.4	7.7	7.0	23	17.0	M9 D 4 H23	3.7	3.8	4.2
San Joaquin–Golden St. Av.	1995	2											
	1994	2	105 3-hr	27 3-hr	7.1	11.9	11.7	5	33.0	M9 D16 H23	6.5	6.6	6.7
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr	61 3-hr	6.4	8.4	9.5	6	16.7	M8 D28 H 6	2.9	3.8	3.5
	1994	2	869 3-hr	103 3-hr	10.3	13.7	17.5	21	132.9	M8 D15 H 0	8.5	12.0	13.6
South Coast/SEDAB–Azusa	1995	3	172 3-hr	22 3-hr	9.9	12.2	14.4	6	22.4	M9 D15 H 6	4.0	5.3	4.0
	1994	3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
South Coast/SEDAB-Upland	1995	4	181 3-hr	24 3-hr	10.2	13.6	16.3	6	24.0	M9 D21 H 6	4.4	4.3	3.9	
	1994	4	220 3-hr	28 3-hr	15.3	21.4	23.6	21	39.3	M7 D22 H 3	7.2	7.7	7.9	
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	1.6	1.7	2.2	23	3.5	M7 D13 H23	0.7	0.8	0.7	
	1994	1												
Springfield–Chicopee	1995	2	1220 1-hr	168 1-hr	1.3	1.4	2.6	22	5.1	M6 D15 H22	0.8	0.9	1.0	
	1994	2	1544 1-hr	191 1-hr	2.0	2.4	4.9	0	31.0	M8 D26 H 3	1.7	1.3	5.3	
Springfield–Ware	1995	3	1283 1-hr	160 1-hr	1.0	0.9	5.1	23	243.0	M7 D23 H12	6.9	0.5	27.9	
	1994	3												
Ventura Co.–El Rio	1995	2	108 3-hr	273 3-hr	0.0	0.0	0.0				0.0	0.0	0.0	
	1994	2	94 3-hr	25 3-hr	3.2	5.2	5.2	6	10.0	M9 D26 H 6	2.0	2.1	1.9	
Ventura Co.–Simi Valley	1995	3	104 3-hr	25 3-hr	0.0	0.0	0.0				0.0	0.0	0.0	
	1994	3	103 3-hr	25 3-hr	7.0	13.4	13.2	6	25.0	M8 D 9 H 6	5.3	5.9	5.8	
Washington–McMillan Reserv	1995	2	1995 1-hr	248 1-hr	3.5	4.3	8.7	21	33.4	M6 D 4 H23	3.1	3.5	6.0	
	1994	2	734 1-hr	91 1-hr	4.9	6.3	9.8	22	25.1	M8 D 7 H 0	2.8	3.8	5.1	
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	1.3	1.8	4.0	5	95.8	M6 D23 H 4	2.4	1.3	10.5	
	1994	4	1493 1-hr	186 1-hr	1.1	1.5	2.7	6	14.9	M7 D23 H13	1.0	1.1	2.0	
TOLUENE (ppbC)														
Composite average	1995	All	Sites = 17		9.8	12.7	20.6							
	1994	All			11.8	16.0	22.1							
Composite average	1995	2	Sites = 11		11.5	14.4	25.0							
	1994	2			13.2	17.5	25.1							
Composite average	1995	3	Sites = 2		1.9	2.6	3.7							
	1994	3			3.3	4.1	6.9							
Composite average	1995	4	Sites = 5		7.9	11.1	14.7							
	1994	4			10.0	14.7	18.0							
Baltimore–Fort Meade	1995	1	97 3-hr	12 3-hr	3.9	5.3	8.8	6	15.6	M7 D 8 H 3	3.0	3.4	3.9	
	1994	1												
Baltimore–Morgan State	1995	2	1549 1-hr	178 1-hr	6.1	8.7	15.5	7	34.8	M7 D30 H22	4.7	5.9	7.5	
	1994	2												
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	5.3	5.7	11.6	3	82.1	M8 D13 H 0	7.1	5.7	14.1	
	1994	3												
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	2.2	3.6	6.0	5	17.0	M6 D22 H10	2.2	2.7	3.5	
	1994	4	1492 1-hr	186 1-hr	2.2	3.4	5.5	6	13.9	M6 D 8 H10	1.9	2.6	3.1	
Baton Rouge–Pride	1995	1/3												
	1994	1/3	221 3-hr	28 3-hr	2.3	2.5	4.0	0	8.0	M7 D16 H 0	1.7	1.8	1.8	
Baton Rouge–New Pride	1995	1/3	200 3-hr	25 3-hr	1.5	1.8	3.2	0	7.0	M8 D25 H21	1.3	1.1	1.9	
	1994	1/3												
Baton Rouge–Capitol	1995	2	645 3-hr	81 3-hr	8.9	11.9	21.5	0	89.6	M6 D26 H21	9.4	8.6	15.9	
	1994	2	688 3-hr	85 3-hr	7.3	11.0	16.1	6	68.7	M8 D 9 H21	7.0	7.4	11.5	
Boston–Lynn	1995	2	2096 1-hr	263 1-hr	5.3	6.8	12.6	6	46.0	M6 D14 H 8	3.9	4.9	7.3	
	1994	2	1903 1-hr	254 1-hr	6.8	7.7	17.1	6	93.7	M8 D11 H14	5.8	5.1	13.2	
Boston–Newbury	1995	3	880 1-hr	110 1-hr	3.2	4.0	7.6	7	19.2	M8 D10 H15	2.3	2.7	3.2	
	1994	3												
Connecticut–E. Hartford	1995	2												
	1994	2	659 1-hr	70 1-hr	6.6	9.2	15.6	6	41.0	M7 D16 H22	5.4	6.1	8.2	
Connecticut–Stafford	1995	3	1756 1-hr	216 1-hr	2.2	2.9	5.0	23	18.3	M6 D10 H 1	1.7	2.2	2.9	
	1994	3	1068 1-hr	131 1-hr	3.3	4.0	8.9	0	70.2	M6 D 1 H18	3.3	2.5	8.6	
Connecticut–Cape Eliz., ME	1995	4	1932 1-hr	247 1-hr	1.7	2.9	6.0	5	81.0	M8 D25 H 6	2.7	6.0	10.2	
	1994	4	1752 1-hr	204 1-hr	2.1	3.0	5.9	7	60.7	M6 D24 H 2	2.5	2.3	7.2	
EI Paso–N. Campbell	1995	2												
	1994	2	47 3-hr	26.4	26.4	26.5	5	53.5	M7 D25 H 5	11.5	11.5	11.6		
EI Paso–Chamizal	1995	2	1062 1-hr	143 1-hr	17.3	22.1	57.0	5	365.0	M7 D26 H21	28.0	21.2	56.3	
	1994	2												
Houston–Clinton Dr.	1995	2	1728 1-hr	235 1-hr	15.9	23.1	48.9	5	172.5	M8 D23 H14	15.8	17.9	33.7	
	1994	2												
Lake Michigan–Braidwood	1995	1	107 3-hr	36 3-hr	1.4	2.2	2.2	6	8.4	M7 D14 H 6	1.3	1.7	1.6	
	1994	1												
Lake Michigan–Chicago	1995	2												
	1994	2	132 3-hr	33 3-hr	23.5	28.5	36.4	6	106.1	M6 D17 H 6	15.1	21.0	20.5	
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr	36 3-hr	11.0	12.1	15.9	6	36.0	M6 D14 H 6	6.5	7.0	7.2	
	1994	2												
Lake Michigan–Gary	1995	2	1180 1-hr	151 1-hr	6.2	7.9	17.1	23	51.0	M8 D22 H 0	6.1	6.3	10.3	
	1994	2												
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	5.5	6.9	7.3	23	43.0	M6 D13 H23	5.1	5.1	5.7	
	1994	2	134 3-hr	34 3-hr	11.6	16.5	17.6	23	100.0	M8 D 5 H23	14.5	17.4	17.9	
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	1.5	2.3	2.4	5	6.9	M8 D22 H 5	1.2	1.4	1.4	
	1994	3	95 3-hr	33 3-hr	3.3	4.2	5.0	5	15.0	M8 D 3 H10	2.6	2.4	3.1	
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	3.4	5.1	6.1	6	18.1	M8 D10 H 6	3.8	4.7	5.0	
	1994	4	141 3-hr	35 3-hr	8.5	12.3	16.9	0	91.8	M6 D22 H 0	11.0	12.0	17.9	
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	1.6	1.7	2.2	5	12.0	M7 D29 H14	1.7	0.9	2.2	
	1994	4												
New York–Bronx Bot. Garden	1995	2	1684 1-hr	219 1-hr	21.5	18.6	61.3	23	723.2	M6 D15 H10	31.5	14.0	113.4	
	1994	2	131 3-hr	23 3-hr	20.8	22.6	34.7	21	59.4	M7 D22 H 6	10.2	12.9	9.8	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
TOLUENE (ppbC) - (continued)													
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	2.2	3.6	6.0	5	17.0	M6 D22 H10	2.2	2.7	3.5
	1994	1	1492 1-hr	186 1-hr	2.2	3.4	5.5	6	13.9	M6 D 8 H10	1.9	2.6	3.1
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	8.6	11.5	15.4	5	42.7	M7 D12 H 5	5.3	7.5	6.8
	1994	2	630 3-hr	76 3-hr	12.5	17.4	23.6	5	68.8	M8 D28 H 2	8.8	11.2	13.4
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	3.9	6.1	10.6	23	63.9	M6 D 1 H 7	3.8	6.1	8.0
	1994	3											
Providence–E. Providence	1995	2	678 3-hr	90 3-hr	7.2	12.2	16.4	5	51.7	M8 D18 H 2	7.4	10.6	11.7
	1994	2	366 3-hr	34 3-hr	7.2	10.4	13.8	21	50.2	M8 D30 H18	6.2	7.4	10.1
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	7.8	10.4	10.9	5	49.0	M9 D26 H 5	7.1	10.1	9.6
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	12.7	19.0	19.6	5	40.6	M9 D12 H 5	7.8	9.1	9.1
	1994	2	120 3-hr	29 3-hr	17.7	26.6	28.7	5	90.6	M9 D26 H16	13.8	15.9	18.8
San Diego–Overland	1995	2	112 3-hr	28 3-hr	6.9	11.0	12.1	5	31.7	M9 D12 H 5	4.9	7.0	6.7
	1994	2	45 3-hr	11 3-hr	9.9	13.4	14.5	5	29.6	M9 D29 H 5	6.4	7.3	7.8
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	4.7	5.1	6.9	5	12.5	M9 D15 H16	2.4	1.9	2.3
	1994	3											
San Joaquin–Clovis–Villa	1995	2											
	1994	2	111 3-hr	28 3-hr	15.7	20.1	26.7	23	170.0	M7 D22 H12	20.7	9.6	31.1
San Joaquin–Golden St. Av.	1995	2											
	1994	2	105 3-hr	27 3-hr	21.4	34.9	35.4	5	100.0	M8 D 5 H23	21.3	19.8	20.8
South Coast/SEDAB–Pico Riv	1995	2	438 3-hr	61 3-hr	31.9	37.9	58.6	6	418.0	M8 D 1 H15	32.4	23.1	63.2
	1994	2	868 3-hr	103 3-hr	30.1	38.0	57.8	6	510.5	M8 D15 H 0	35.9	41.3	68.1
South Coast/SEDAB–Azusa	1995	3	172 3-hr	22 3-hr	32.5	41.1	50.2	6	93.6	M9 D15 H 9	15.5	19.9	16.4
	1994	3											
South Coast/SEDAB–Upland	1995	4	181 3-hr	24 3-hr	29.8	40.3	49.2	6	69.8	M9 D21 H 6	13.8	13.8	11.3
	1994	4	221 3-hr	28 3-hr	34.9	51.6	56.2	21	97.0	M7 D22 H 3	18.1	19.2	18.0
Springfield–Agawam	1995	1	116 3-hr	15 3-hr	5.8	6.8	9.4	23	37.1	M6 D28 H23	5.5	6.1	6.2
	1994	1											
Springfield–Chicopee	1995	2	1432 1-hr	184 1-hr	5.2	6.4	15.5	23	83.5	M8 D31 H11	6.5	6.3	14.4
	1994	2	1574 1-hr	197 1-hr	11.1	14.1	26.5	0	73.3	M8 D31 H 2	9.0	9.2	14.3
Springfield–Ware	1995	3	1494 1-hr	189 1-hr	1.9	2.5	4.8	23	46.0	M8 D 1 H 8	2.1	2.4	5.7
	1994	3											
Ventura Co.–El Rio	1995	2											
	1994	2	94 3-hr	25 3-hr	6.6	12.0	11.7	6	23.0	M9 D26 H 6	4.6	4.6	4.1
Ventura Co.–Simi Valley	1995	3											
	1994	3	103 3-hr	25 3-hr	16.5	33.3	32.1	6	59.0	M9 D14 H 6	13.6	13.7	14.2
Washington–McMillan Reserv	1995	2	1326 1-hr	164 1-hr	12.4	15.8	34.5	20	126.3	M7 D30 H23	12.1	14.1	26.1
	1994	2	734 1-hr	91 1-hr	10.6	15.1	26.2	22	74.3	M8 D 7 H 0	9.0	12.4	16.8
Washington–Fort Meade	1995	3	97 3-hr	12 3-hr	3.9	5.3	8.8	6	15.6	M7 D 8 H 3	3.0	3.4	3.9
	1994	3											
Washington–Lums Pond	1995	4	1895 1-hr	239 1-hr	2.2	3.6	6.0	5	17.0	M6 D22 H10	2.2	2.7	3.5
	1994	4	1492 1-hr	186 1-hr	2.2	3.4	5.5	6	13.9	M6 D 8 H10	1.9	2.6	3.1
ETHYLBENZENE (ppbC)													
Composite average	1995	All	Sites = 17		1.5	1.9	3.3						
	1994	All			1.8	2.4	3.5						
Composite average	1995	2	Sites = 11		1.8	2.2	4.1						
	1994	2			2.1	2.7	4.0						
Composite average	1995	3	Sites = 2		0.3	0.4	0.6						
	1994	3			0.5	0.6	1.3						
Composite average	1995	4	Sites = 5		1.2	1.7	2.2						
	1994	4			1.5	2.2	2.8						
Baltimore–Fort Meade	1995	1	97 3-hr	12 3-hr	0.7	0.9	1.4	6	2.4	M7 D 8 H 3	0.5	0.5	0.6
	1994	1											
Baltimore–Morgan State	1995	2	1549 1-hr	178 1-hr	0.9	1.3	2.5	22	7.7	M7 D31 H18	0.8	0.9	1.4
	1994	2											
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	0.5	0.5	0.8	6	1.3	M8 D 7 H12	0.2	0.2	0.2
	1994	3											
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	0.2	0.4	0.8	0	2.0	M8 D22 H22	0.3	0.4	0.5
	1994	4	1493 1-hr	186 1-hr	0.3	0.6	1.1	0	4.5	M8 D 1 H 9	0.5	0.7	0.9
Baton Rouge–Prude	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	0.4	0.3	0.6	0	1.4	M8 D18 H 0	0.4	0.4	0.5
Baton Rouge–New Prude	1995	1/3	200 3-hr	25 3-hr	0.2	0.2	0.6	0	1.6	M6 D23 H 3	0.3	0.3	0.4
	1994	1/3											
Baton Rouge–Capitol	1995	2	645 3-hr	81 3-hr	1.7	2.1	4.0	6	18.6	M6 D26 H21	1.8	1.6	3.1
	1994	2	688 3-hr	85 3-hr	1.2	2.0	3.1	6	12.7	M8 D 9 H21	1.4	1.6	2.2
Boston–Lynn	1995	2	2081 1-hr	262 1-hr	1.0	1.1	2.0	20	4.4	M8 D 9 H22	0.6	0.6	0.9
	1994	2	1900 1-hr	253 1-hr	1.2	1.4	3.0	22	18.8	M8 D31 H 5	0.9	1.4	2.2
Boston–Newbury	1995	3	725 1-hr	97 1-hr	0.7	0.7	1.5	3	11.3	M8 D10 H15	0.6	0.3	1.3
	1994	3											
Connecticut–E. Hartford	1995	2											
	1994	2	540 1-hr	59 1-hr	1.1	1.4	2.6	4	10.8	M7 D 8 H12	1.0	1.0	1.9
Connecticut–Stafford	1995	3	1206 1-hr	176 1-hr	0.5	0.6	1.0	0	3.2	M6 D 1 H23	0.3	0.3	0.5
	1994	3	1047 1-hr	131 1-hr	0.6	0.7	2.0	5	19.1	M8 D 4 H11	0.9	0.4	3.3

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured	All Hrs.	5-8 am STD	Daily Max.		
ETHLYBENZENE (ppbC) - (continued)														
Connecticut–Cape Eliz., ME	1995	4	1939 1-hr	253 1-hr	0.2	0.3	0.6	6	2.9	M8 D25 H 6	0.2	0.3	0.4	
	1994	4	1751 1-hr	204 1-hr	0.3	0.4	0.8	7	2.5	M6 D15 H 0	0.3	0.3	0.5	
El Paso–N. Campbell	1995	2	47 3-hr	47 3-hr	5.4	5.4	5.4	5	10.9	M7 D18 H 5	2.2	2.2	2.2	
	1994	2	1056 1-hr	142 1-hr	4.7	6.3	16.8	5	80.3	M6 D 4 H 7	8.5	9.7	17.9	
El Paso–Chamizal	1995	2	1728 1-hr	235 1-hr	3.2	4.9	9.7	6	38.2	M6 D 6 H 16	3.0	3.7	6.8	
Houston–Clinton Dr.	1995	2	107 3-hr	36 3-hr	0.2	0.4	0.4	6	1.2	M6 D 2 H 6	0.3	0.4	0.4	
Lake Michigan–Braidwood	1995	1	132 3-hr	33 3-hr	4.2	4.8	6.3	6	14.7	M8 D18 H12	2.9	3.4	3.4	
	1994	1	139 3-hr	36 3-hr	1.9	2.0	2.6	0	5.5	M6 D14 H 6	1.0	1.0	1.1	
Lake Michigan–Chicago	1995	2	1067 1-hr	151 1-hr	1.2	1.3	3.6	23	11.2	M8 D15 H11	1.3	1.2	2.7	
	1994	2	128 3-hr	35 3-hr	0.8	1.1	1.1	23	6.6	M6 D13 H23	0.8	0.9	1.0	
Lake Michigan–Gary	1995	2	134 3-hr	34 3-hr	1.6	2.2	2.4	23	12.0	M8 D 5 H23	1.8	2.1	2.2	
	1994	3	96 3-hr	33 3-hr	0.1	0.2	0.2	5	1.4	M6 D23 H 5	0.2	0.4	0.3	
Lake Michigan–Harrington B	1995	3	93 3-hr	32 3-hr	0.3	0.5	0.6	5	1.8	M8 D 3 H10	0.4	0.4	0.5	
	1994	3	107 3-hr	36 3-hr	0.4	0.6	0.7	6	1.9	M7 D14 H12	0.5	0.5	0.5	
Lake Michigan–Camp Logan	1995	4	141 3-hr	35 3-hr	0.7	1.0	1.5	0	4.1	M6 D 4 H 0	1.0	1.1	1.3	
	1994	4	80 3-hr	29 3-hr	0.1	0.2	0.3	5	1.3	M7 D29 H14	0.3	0.3	0.3	
Lake Michigan–Manitowoc	1995	2	1868 1-hr	243 1-hr	3.0	2.3	12.4	23	456.0	M7 D31 H13	11.3	1.4	50.5	
	1994	2	131 3-hr	23 3-hr	2.6	2.8	4.4	21	7.5	M8 D27 H 0	1.4	1.5	1.5	
New York–Bronx Bot. Garden	1995	1	1895 1-hr	239 1-hr	0.2	0.4	0.8	0	2.0	M8 D22 H22	0.3	0.4	0.5	
	1994	1	1493 1-hr	186 1-hr	0.3	0.6	1.1	0	4.5	M8 D 1 H 9	0.5	0.7	0.9	
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	0.9	1.4	2.1	8	5.5	M6 D 5 H 5	0.9	1.1	1.0	
	1994	2	630 3-hr	76 3-hr	1.8	2.7	3.8	5	10.8	M8 D30 H23	1.5	1.8	2.2	
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	0.6	0.9	1.4	7	5.4	M6 D 1 H 7	0.5	0.7	0.7	
	1994	3	684 3-hr	95 3-hr	1.0	1.7	2.2	5	7.7	M7 D21 H23	1.0	1.4	1.5	
Providence–E. Providence	1995	2	366 3-hr	34 3-hr	1.1	1.6	2.0	0	5.8	M8 D28 H 0	0.8	1.0	1.2	
Sacramento–Del Paso	1995	2	83 3-hr	23 3-hr	1.3	1.7	1.8	5	8.0	M9 D26 H 5	1.2	1.8	1.6	
	1994	2	109 3-hr	27 3-hr	2.2	3.3	3.4	5	7.3	M9 D12 H 5	1.3	1.6	1.6	
San Diego–El Cajon	1995	2	120 3-hr	29 3-hr	3.0	4.5	4.8	5	14.7	M9 D26 H16	2.3	2.7	3.1	
	1994	2	112 3-hr	28 3-hr	1.2	1.9	2.1	5	5.6	M9 D12 H 5	0.9	1.2	1.2	
San Diego–Overland	1995	2	45 3-hr	11 3-hr	1.6	2.1	2.3	5	4.9	M9 D26 H12	1.1	1.3	1.3	
	1994	3	115 3-hr	29 3-hr	0.8	0.9	1.2	5	2.2	M9 D15 H16	0.4	0.4	0.4	
San Diego–Alpine	1995	2	111 3-hr	28 3-hr	1.8	3.3	3.1	23	8.0	M8 D12 H 5	1.8	1.9	2.0	
	1994	2	105 3-hr	27 3-hr	3.9	6.6	6.5	5	18.0	M9 D16 H23	3.8	3.5	3.7	
San Joaquin–Clovis–Villa	1995	2	438 3-hr	61 3-hr	5.5	5.6	8.8	12	101.6	M8 D 1 H15	5.2	2.6	12.0	
	1994	2	868 3-hr	103 3-hr	5.5	6.0	9.9	21	77.2	M8 D15 H 0	4.9	6.5	7.4	
South Coast/SEDAB–Pico Riv	1995	3	172 3-hr	22 3-hr	5.2	6.5	8.1	6	14.8	M9 D15 H 6	2.5	3.3	2.6	
	1994	3	181 3-hr	24 3-hr	4.9	6.8	8.3	6	12.5	M9 D21 H 6	2.4	2.3	2.0	
South Coast/SEDAB–Upland	1995	4	221 3-hr	28 3-hr	5.7	8.2	9.3	21	16.0	M7 D22 H 3	3.0	3.1	3.0	
	1994	4	116 3-hr	15 3-hr	0.9	1.0	1.4	23	2.3	M7 D 2 H11	0.5	0.5	0.6	
Springfield–Agawam	1995	1	1181 1-hr	163 1-hr	0.8	1.0	1.7	23	3.5	M8 D26 H20	0.5	0.6	0.8	
	1994	2	1548 1-hr	197 1-hr	1.7	2.0	4.8	0	32.4	M8 D30 H 3	1.7	1.1	5.7	
Springfield–Ware	1995	3	733 1-hr	107 1-hr	0.5	0.5	1.5	23	29.7	M8 D 1 H 8	1.3	0.3	4.6	
	1994	3	94 3-hr	25 3-hr	1.4	2.2	2.2	6	5.0	M9 D26 H 6	1.0	1.1	0.9	
Ventura Co.–El Rio	1995	2	103 3-hr	25 3-hr	3.0	5.9	5.7	6	12.0	M9 D14 H 6	2.4	2.6	2.6	
	1994	3	734 1-hr	91 1-hr	1.6	2.2	3.8	22	14.6	M6 D 4 H23	1.7	2.0	3.1	
Washington–McMillan Reserv	1995	2	97 3-hr	12 3-hr	0.7	0.9	1.4	6	2.4	M7 D 8 H 3	0.5	0.5	0.6	
	1994	3	1895 1-hr	239 1-hr	0.2	0.4	0.8	0	2.0	M8 D22 H22	0.3	0.4	0.5	
Washington–Lums Pond	1995	4	1493 1-hr	186 1-hr	0.3	0.6	1.1	0	4.5	M8 D 1 H 9	0.5	0.7	0.9	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
O-XYLENE (ppbC)													
Composite average	1995	All	Sites = 17		2.2	2.7	4.0						
	1994	All			2.6	3.3	4.8						
Composite average	1995	2	Sites = 11		2.7	3.1	4.9						
	1994	2			3.1	3.8	5.6						
Composite average	1995	3	Sites = 2		0.3	0.4	0.6						
	1994	3			0.6	0.7	1.5						
Composite average	1995	4	Sites = 5		1.5	2.2	2.9						
	1994	4			1.9	2.8	3.6						
Baltimore–Fort Meade	1995	1	97 3-hr	12 3-hr	2.0	2.3	3.3	21	11.5	M8 D31 H12	2.1	2.8	2.8
	1994	1											
Baltimore–Morgan State	1995	2	1548 1-hr	178 1-hr	1.2	1.7	3.2	22	18.6	M7 D31 H18	1.0	1.1	2.4
	1994	2											
Baltimore–Aldino	1995	3	240 3-hr	30 3-hr	2.2	2.4	4.2	18	16.2	M8 D25 H18	3.2	3.5	4.8
	1994	3											
Baltimore–Lums Pond	1995	4	1895 1-hr	239 1-hr	0.2	0.5	0.9	0	2.7	M8 D22 H22	0.4	0.5	0.6
	1994	4	1493 1-hr	186 1-hr	0.4	0.6	1.2	5	4.9	M7 D 8 H 1	0.5	0.6	0.9
Baton Rouge–Prude	1995	1/3											
	1994	1/3	221 3-hr	28 3-hr	0.4	0.4	0.9	0	3.6	M8 D18 H21	0.5	0.5	0.8
Baton Rouge–New Pride	1995	1/3	200 3-hr	25 3-hr	0.8	0.9	1.3	0	3.5	M6 D20 H15	0.4	0.4	0.6
	1994	1/3											
Baton Rouge–Capitol	1995	2	645 3-hr	81 3-hr	2.6	3.2	5.8	0	28.7	M6 D27 H 3	2.6	2.7	4.6
	1994	2	688 3-hr	85 3-hr	1.6	2.6	4.3	6	16.4	M8 D 9 H21	2.0	1.9	3.0
Boston–Lynn	1995	2	2102 1-hr	263 1-hr	1.2	1.3	2.4	20	5.6	M7 D31 H 6	0.7	0.8	1.1
	1994	2	1901 1-hr	252 1-hr	1.4	1.5	3.1	0	8.3	M7 D 1 H14	0.9	0.9	1.4
Boston–Newbury	1995	3	729 1-hr	99 1-hr	0.9	0.7	2.1	0	48.8	M8 D10 H15	2.4	0.4	5.3
	1994	3											
Connecticut–E. Hartford	1995	2											
	1994	2	552 1-hr	59 1-hr	1.2	1.7	2.9	21	10.7	M7 D 8 H12	1.1	1.2	1.9
Connecticut–Stafford	1995	3	1122 1-hr	169 1-hr	0.6	0.6	1.0	7	2.3	M6 D 6 H18	0.3	0.3	0.4
	1994	3	1025 1-hr	131 1-hr	0.7	0.8	2.3	0	18.5	M8 D 4 H11	0.9	0.6	3.4
Connecticut–Cape Eliz., ME	1995	4	1940 1-hr	254 1-hr	0.2	0.4	0.8	6	3.0	M8 D25 H 6	0.3	0.3	0.4
	1994	4	1752 1-hr	204 1-hr	0.3	0.5	1.0	8	2.8	M6 D15 H 0	0.3	0.4	0.5
El Paso–N. Campbell	1995	2											
	1994	2	47 3-hr	47 3-hr	5.2	5.2	5.2	5	10.7	M7 D25 H 5	2.4	2.4	2.5
El Paso–Chamizal	1995	2	1048 1-hr	141 1-hr	4.6	5.9	15.0	5	71.3	M7 D26 H21	6.9	5.6	12.4
	1994	2											
Houston–Clinton Dr.	1995	2	1728 1-hr	235 1-hr	3.2	4.6	10.0	6	48.3	M8 D17 H23	3.3	3.4	7.6
	1994	2											
Lake Michigan–Braidwood	1995	1	107 3-hr	36 3-hr	0.4	0.7	0.7	6	2.2	M8 D22 H 6	0.6	0.6	0.7
	1994	1											
Lake Michigan–Chicago	1995	2											
	1994	2	132 3-hr	33 3-hr	5.4	6.1	8.1	6	18.5	M8 D18 H12	3.7	4.2	4.2
Lake Michigan–Chicago–Jardine	1995	2	139 3-hr	36 3-hr	2.9	3.1	4.0	0	8.3	M7 D29 H 0	1.6	1.6	1.7
	1994	2											
Lake Michigan–Gary	1995	2	1050 1-hr	149 1-hr	1.5	1.8	4.6	23	13.5	M8 D22 H 0	1.6	1.5	3.0
	1994	2											
Lake Michigan–Milwaukee	1995	2	128 3-hr	35 3-hr	1.0	1.4	1.4	23	9.0	M6 D13 H23	1.1	1.2	1.3
	1994	2	134 3-hr	34 3-hr	2.0	2.9	3.1	23	17.0	M8 D 5 H23	2.3	2.6	2.8
Lake Michigan–Harrington B	1995	3	96 3-hr	33 3-hr	0.1	0.2	0.2	5	1.0	M6 D23 H 5	0.2	0.3	0.3
	1994	3	95 3-hr	33 3-hr	0.5	0.7	0.7	5	1.7	M8 D 3 H10	0.4	0.4	0.5
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	0.6	0.9	1.1	6	3.0	M7 D14 H12	0.7	0.7	0.7
	1994	4	141 3-hr	35 3-hr	1.1	1.5	2.1	0	6.5	M6 D17 H15	1.4	1.5	1.8
Lake Michigan–Manitowoc	1995	4	80 3-hr	29 3-hr	0.1	0.2	0.3	5	1.5	M7 D29 H14	0.3	0.2	0.3
	1994	4											
New York–Bronx Bot. Garden	1995	2	1868 1-hr	243 1-hr	2.9	2.5	10.0	0	288.5	M7 D31 H13	7.3	1.6	31.8
	1994	2	131 3-hr	23 3-hr	3.2	3.5	5.4	21	9.8	M8 D27 H 0	1.7	1.9	1.8
Philadelphia–Lums Pond	1995	1	1895 1-hr	239 1-hr	0.2	0.5	0.9	0	2.7	M8 D22 H22	0.4	0.5	0.6
	1994	1	1493 1-hr	186 1-hr	0.4	0.6	1.2	5	4.9	M7 D 8 H 1	0.5	0.6	0.9
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	3.0	3.1	3.1	2	6.5	M6 D 5 H 5	0.2	0.6	0.6
	1994	2	630 3-hr	76 3-hr	2.6	3.5	4.9	5	13.3	M8 D30 H23	1.8	2.1	2.5
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	0.7	1.0	1.7	23	6.6	M6 D 1 H 7	0.6	0.9	0.9
	1994	3											
Providence–E. Providence	1995	2	684 3-hr	95 3-hr	1.2	2.2	2.8	5	12.6	M8 D31 H 5	1.3	2.1	2.0
	1994	2	366 3-hr	34 3-hr	1.4	2.0	2.5	0	7.7	M8 D28 H 0	1.0	1.2	1.5
Sacramento–Del Paso	1995	2											
	1994	2	83 3-hr	23 3-hr	1.8	2.6	2.6	5	11.0	M9 D26 H 5	1.7	2.2	2.2
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	3.4	4.9	5.0	5	9.9	M9 D12 H 5	1.8	2.1	2.1
	1994	2	120 3-hr	29 3-hr	4.7	6.7	7.1	5	20.2	M9 D26 H16	3.1	3.7	4.2
San Diego–Overland	1995	2	112 3-hr	28 3-hr	3.5	3.6	4.7	12	10.0	M7 D 8 H12	1.5	1.4	1.8
	1994	2	45 3-hr	11 3-hr	5.6	5.1	7.1	12	9.3	M9 D 5 H12	1.6	1.6	1.4
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	1.7	1.7	2.3	16	5.1	M7 D 8 H12	0.7	0.4	0.7
	1994	3											

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS			Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.	Value	Occured		All Hrs.	5-8 am STD	Daily Max.	
O-XYLENE (ppbC) - (continued)														
San Joaquin–Clovis–Villa	1995	2												
San Joaquin–Golden St. Av.	1994	2	111 3-hr	28 3-hr	2.5	4.3	4.0	23	10.0	M8 D12 H 5	2.2	2.5	2.6	
South Coast/SEDAB–Pico Riv	1995	2	105 3-hr	27 3-hr	5.4	9.1	9.2	5	28.0	M9 D16 H23	5.4	5.2	5.4	
South Coast/SEDAB–Azusa	1995	2	438 3-hr	61 3-hr	8.2	8.7	11.7	6	62.3	M8 D 1 H15	4.0	3.5	7.2	
South Coast/SEDAB–Upland	1994	2	868 3-hr	103 3-hr	8.1	8.8	14.2	21	95.5	M8 D15 H 3	6.9	8.3	13.6	
Springfield–Agawam	1995	1	172 3-hr	22 3-hr	6.4	8.1	10.2	6	17.0	M9 D15 H 6	3.2	3.9	3.1	
Springfield–Chicopee	1995	2	181 3-hr	24 3-hr	6.1	8.7	10.9	6	15.6	M9 D21 H 6	3.4	3.2	2.7	
Springfield–Ware	1994	2	221 3-hr	28 3-hr	7.2	10.8	12.6	21	22.0	M7 D22 H 3	4.2	4.1	4.1	
Ventura Co.–El Rio	1995	1	116 3-hr	15 3-hr	1.3	1.3	2.0	23	6.6	M7 D29 H11	0.9	0.7	1.3	
Ventura Co.–Simi Valley	1994	2	94 3-hr	25 3-hr	1.6	2.8	2.8	6	5.0	M9 D26 H 6	1.1	0.9	0.8	
Washington–McMillan Reserv	1995	3	103 3-hr	25 3-hr	3.9	8.2	8.0	6	17.0	M9 D14 H 6	3.4	3.6	3.7	
Washington–Fort Meade	1995	2	1995 1-hr	248 1-hr	1.6	2.1	4.5	21	17.8	M6 D 4 H23	1.8	2.1	3.4	
Washington–Lums Pond	1995	4	734 1-hr	91 1-hr	2.0	2.8	4.8	22	13.3	M8 D 7 H 0	1.6	2.3	3.1	
Washington–Morgan State	1994	3	97 3-hr	12 3-hr	2.0	2.3	3.3	21	11.5	M8 D31 H12	2.1	2.8	2.8	
Baltimore–Aldino	1995	3	1895 1-hr	239 1-hr	0.2	0.5	0.9	0	2.7	M8 D22 H22	0.4	0.5	0.6	
Baltimore–Clinton Dr.	1994	4	1493 1-hr	186 1-hr	0.4	0.6	1.2	5	4.9	M7 D 8 H 1	0.5	0.6	0.9	
Connecticut–E. Hartford	1995	2	Sites = 14		1.0	1.0	2.5							
Connecticut–Stafford	1994	All	Sites = 10		1.0	1.2	2.4							
Connecticut–Cape Eliz., ME	1995	2	Sites = 3		0.9	0.9	2.2							
Connecticut–New Haven	1994	2	Sites = 3		0.7	0.8	2.0							
Connecticut–New Haven	1995	4	Sites = 3		1.6	1.5	3.8							
Connecticut–New Haven	1994	4	Sites = 3		1.5	1.6	2.3							
Connecticut–New Haven	1995	3	Sites = 3		0.2	0.2	0.4							
Connecticut–New Haven	1994	3	Sites = 5		1.2	1.8	2.9							
Connecticut–New Haven	1995	4	Sites = 5		0.9	0.9	2.4							
Connecticut–New Haven	1994	4	Sites = 5		1.0	1.1	1.7							
Baton Rouge–Pride	1995	1	97 3-hr	12 3-hr	0.4	0.5	0.9	0	2.8	M8 D10 H12	0.3	0.3	0.5	
Baton Rouge–Capitol	1994	1	1549 1-hr	178 1-hr	0.3	0.4	0.8	0	4.5	M8 D31 H 6	0.3	0.4	0.6	
Baton Rouge–New Pride	1995	2	240 3-hr	30 3-hr	0.4	0.4	0.7	0	2.6	M8 D19 H 6	0.3	0.5	0.5	
Baton Rouge–New Pride	1994	3	200 3-hr	25 3-hr	0.1	0.1	0.4	0	0.9	M6 D29 H21	0.2	0.2	0.2	
Baton Rouge–New Pride	1994	1/3	645 3-hr	81 3-hr	0.5	0.8	1.7	0	7.3	M8 D 9 H 6	0.8	1.0	1.4	
Boston–Lynn	1995	2	688 3-hr	85 3-hr	0.3	0.4	0.8	0	3.0	M8 D 9 H21	0.5	0.6	0.8	
Boston–Lynn	1994	2	1813 1-hr	239 1-hr	0.7	0.7	1.8	20	5.1	M7 D31 H 6	0.5	0.6	1.0	
Boston–Newbury	1995	3	675 1-hr	118 1-hr	0.8	0.6	1.6	2	3.4	M8 D12 H14	0.5	0.5	0.8	
Boston–Newbury	1994	3	902 1-hr	110 1-hr	0.9	0.7	1.9	0	22.2	M8 D10 H15	1.0	0.3	2.3	
Houston–Clinton Dr.	1995	2	550 1-hr	59 1-hr	0.7	0.6	2.3	1	46.3	M7 D 8 H12	2.0	0.3	7.4	
Houston–Clinton Dr.	1994	2	1687 1-hr	210 1-hr	0.6	0.5	1.2	0	11.8	M8 D 1 H19	0.6	0.2	1.8	
Lake Michigan–Braidwood	1995	1	1069 1-hr	131 1-hr	2.9	4.0	6.9	5	214.0	M8 D26 H 8	10.0	18.6	24.6	
Lake Michigan–Chicago	1995	2	132 3-hr	33 3-hr	1.8	2.5	3.1	6	17.2	M7 D22 H 6	0.3	0.5	0.8	
Lake Michigan–Chicago–Jardine	1995	2	107 3-hr	36 3-hr	0.8	0.8	1.5	6	8.5	M8 D19 H15	1.3	0.9	1.7	
Lake Michigan–Chicago–Jardine	1994	2	139 3-hr	36 3-hr	1.9	2.2	3.1	0	7.1	M7 D20 H15	1.8	3.0	2.8	

Table A-13. PAMS Summer Summary Statistics for Selected Parameters, 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means			P-hr of <	Absolute Max		Standard Deviation of		
			All Hrs.	5-8 am STD	All Hrs.	5-8am STD	Daily Max.		Value	Occured	All Hrs.	5-8 am STD	Daily Max.
STYRENE (ppbC) - (continued)													
Lake Michigan–Gary	1995	2	1037 1-hr	149 1-hr	1.0	1.2	3.0	1	13.9	M8 D24 H13	1.0	0.7	2.6
Lake Michigan–Milwaukee	1994	2											
Lake Michigan–Milwaukee	1995	2	102 3-hr	24 3-hr	0.3	0.5	0.5	23	2.8	M8 D 5 H23	0.5	0.6	0.6
Lake Michigan–Harrington B	1995	3	66 3-hr	23 3-hr	0.1	0.1	0.2	5	0.6	M8 D25 H 5	0.2	0.2	0.2
Lake Michigan–Camp Logan	1995	4	107 3-hr	36 3-hr	0.7	0.7	1.4	6	6.2	M7 D20 H12	1.3	1.4	1.8
Lake Michigan–Manitowoc	1994	4	141 3-hr	35 3-hr	0.9	0.8	1.5	0	6.0	M8 D30 H 6	1.0	1.2	1.3
Lake Michigan–Manitowoc	1995	4	78 3-hr	29 3-hr	0.0	0.0	0.0	5	0.0	M6 D 7 H14	0.0	0.0	0.0
New York–Bronx Bot. Garden	1995	2	1868 1-hr	243 1-hr	1.4	1.0	3.4	17	15.3	M7 D25 H16	1.3	0.8	3.0
New York–Bronx Bot. Garden	1994	2	131 3-hr	23 3-hr	0.7	0.8	1.4	6	4.9	M8 D27 H 0	0.5	0.4	1.0
Philadelphia–Lums Pond	1995	1											
Philadelphia–Lums Pond	1994	1	1493 1-hr	186 1-hr	0.2	0.2	0.7	0	3.7	M7 D 8 H 1	0.4	0.4	0.7
Philadelphia–East Lycoming	1995	2	577 3-hr	69 3-hr	0.4	0.5	1.5	2	9.5	M7 D15 H 2	0.9	0.9	1.9
Philadelphia–Rider University	1994	2	630 3-hr	76 3-hr	0.4	0.9	1.7	2	17.5	M6 D 9 H20	1.3	1.9	2.7
Philadelphia–Rider University	1995	3	2099 1-hr	258 1-hr	0.3	0.4	0.7	0	3.6	M6 D22 H22	0.2	0.2	0.4
Providence–E. Providence	1995	2	683 3-hr	94 3-hr	0.1	0.3	0.5	2	2.8	M8 D19 H 5	0.3	0.5	0.6
Sacramento–Del Paso	1994	2	366 3-hr	34 3-hr	0.3	0.3	0.5	0	1.5	M6 D15 H 9	0.2	0.2	0.2
San Joaquin–Clovis–Villa	1995	2											
San Joaquin–Clovis–Villa	1994	2	83 3-hr	23 3-hr	0.5	0.5	0.5	5	0.5	M7 D 1 H 5	0.0	0.0	0.0
San Diego–El Cajon	1995	2	109 3-hr	27 3-hr	0.7	1.0	1.3	5	6.9	M9 D12 H16	0.9	0.4	1.4
San Diego–Overland	1994	2	120 3-hr	29 3-hr	0.8	1.3	1.5	5	3.9	M9 D26 H16	0.7	0.8	0.9
San Diego–Overland	1995	2	112 3-hr	28 3-hr	0.3	0.6	0.7	5	1.5	M8 D28 H 5	0.3	0.4	0.4
San Diego–Alpine	1994	2	45 3-hr	11 3-hr	0.6	0.8	0.9	5	1.8	M9 D29 H 5	0.4	0.5	0.5
San Diego–Alpine	1995	3	115 3-hr	29 3-hr	0.2	0.2	0.4	5	1.6	M7 D29 H 5	0.2	0.3	0.3
San Joaquin–Golden St. Av.	1994	2	111 3-hr	28 3-hr	0.6	0.5	0.7	5	6.0	M9 D 8 H16	0.5	0.1	0.9
South Coast/SEDAB–Pico Riv	1994	2	105 3-hr	27 3-hr	1.1	1.3	1.7	23	13.0	M8 D17 H23	1.7	1.6	2.2
South Coast/SEDAB–Azusa	1995	2	438 3-hr	61 3-hr	3.7	2.7	7.8	12	23.6	M9 D22 H12	3.9	2.9	5.2
South Coast/SEDAB–Azusa	1994	2	802 3-hr	101 3-hr	2.3	2.1	6.3	21	15.2	M9 D 8 H18	1.8	1.8	1.7
South Coast/SEDAB–Upland	1995	3	167 3-hr	22 3-hr	5.7	7.0	12.0	0	35.8	M8 D10 H 9	6.8	7.5	9.3
South Coast/SEDAB–Upland	1994	3											
Springfield–Agawam	1995	4	176 3-hr	24 3-hr	3.9	3.8	9.7	0	53.4	M8 D16 H 0	7.4	4.7	14.2
Springfield–Agawam	1994	4	162 3-hr	24 3-hr	1.7	2.4	2.8	6	6.8	M8 D 9 H 3	1.1	1.3	1.5
Springfield–Chicopee	1995	1	116 3-hr	15 3-hr	1.5	1.1	2.7	23	6.8	M7 D28 H23	1.1	0.4	1.4
Springfield–Chicopee	1994	1											
Springfield–Ware	1995	2	887 1-hr	113 1-hr	0.7	0.8	2.5	0	10.3	M6 D15 H23	1.0	1.2	2.4
Springfield–Ware	1994	2	951 1-hr	122 1-hr	0.7	0.8	4.5	0	21.0	M8 D31 H 2	1.7	1.4	6.1
Ventura Co.–El Rio	1995	2	530 1-hr	69 1-hr	0.6	0.5	1.8	1	30.7	M8 D 1 H 8	1.5	0.4	5.0
Ventura Co.–Simi Valley	1994	2	94 3-hr	25 3-hr	0.2	0.5	0.6	3	1.0	M7 D 1 H 6	0.4	0.5	0.5
Washington–McMillan Reserv	1994	3	103 3-hr	25 3-hr	0.7	1.3	1.6	6	5.0	M8 D18 H 3	0.9	0.7	1.0
Washington–Fort Meade	1995	2	1995 1-hr	248 1-hr	0.2	0.3	1.3	0	16.2	M6 D28 H11	0.7	0.5	2.2
Washington–Fort Meade	1994	2	734 1-hr	91 1-hr	0.2	0.4	1.0	22	2.7	M8 D18 H22	0.4	0.6	0.7
Washington–Lums Pond	1995	4	97 3-hr	12 3-hr	0.4	0.5	0.9	0	2.8	M8 D10 H12	0.3	0.3	0.5
Washington–Lums Pond	1994	4	1493 1-hr	186 1-hr	0.2	0.2	0.7	0	3.7	M7 D 8 H 1	0.4	0.4	0.7

Notes

- Only data reported to AIRS are included in this report. EPA is aware that several reporting organizations were unable (due to software problems) to report undetected speciated VOC detail as zero; since those "missing" data are not included in the tabulations, some levels may be overstated.
- Data are only shown for sites that reported for at least two months of the summer ozone season. The summer ozone season is June–August for all States but CA; in CA the season is July–September.
- The "All Hrs" means are computed from all available summer observations in AIRS. Some States operate under an alternative sampling plan where they are not required to monitor all hours of the day. Data for these areas/years may not be comparable to other areas/years. Approved alternative plans affecting 1994 and/or 1995 data include: Lake Michigan: site types 1, 3, and 4 only monitor three 3-hr intervals (DST start times 6, 12, and 15); type 2 sites only monitor four 3-hr intervals (DST start times 0, 6, 12, and 15). Ventura county, Sacramento, and San Joaquin (all site types) only monitor four 3-hr intervals (DST start times 0, 6, 13, 17) except for forecasted high ozone days where 3-hr interval DST start time 6 is monitored in lieu of 3-hr interval DST start time 0.
- Only sites that met the minimum data criteria noted above for both 1994 and 1995 are included in the composite averages. Sites with multiple type designations are included in all applicable composite average tabulations by type but are only included once in the overall (All) tabulations.
- Data in the "P-hr" column indicate the predominant start hour that the daily maximum occurred.

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of	
			Anual	Summer	Annual	Summer	Value	Occured	Annual Mean	Summer Mean
TOTAL NMOC										
Baton Rouge – Pride	1995	1/3								
	1994	1/3								
Baton Rouge – Capitol	1995	2	56	15	403.4	473.5	853.1	M 8 D31	134.2	41.3
	1994	2	50	15	218.9	222.1	1061.0	M 2 D25	145.9	175.9
Boston – Lynn	1995	2	66	15	162.3	133.7	849.0	M 2 D26	145.8	87.9
	1994	2	51	15	247.3	371.0	743.6	M 8 D30	160.5	84.4
Boston – Newbury	1995	3		10		106.5				208.2
	1994	3								56.1
Lake Michigan – Chicago-Jardine	1995	2		17		169.5				97.7
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	132.7	131.1	1004.0	M 3 D16	144.6	57.9
	1994	2	49	14	215.8	290.6	1300.0	M 8 D12	267.7	393.9
Lake Michigan – Harrington B	1995	3		9		30.7				7.1
	1994	3		11		67.5				25.9
Lake Michigan – Camp Logan	1995	4		15		170.5				69.1
	1994	4								
Providence – E. Providence	1995	2								233.2
	1994	2		11		320.9				
South Coast/SEDAB – Pico Riv	1995	2	61	16	802.8	926.4	1604.0	M 9 D30	380.4	236.9
	1994	2		13		567.0				185.2
South Coast/SEDAB – Azusa	1995	3		9		579.6				274.3
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	356.7	460.1	854.6	M 11 D17	156.2	104.5
	1994	4		13		353.7				94.6
Springfield – Agawam	1995	1		2		44.9				11.0
	1994	1								
Springfield – Chicopee	1995	2	50	6	416.0	327.4	989.0	M 11 D23	297.2	343.6
	1994	2	54	15	478.2	317.4	1919.0	M 2 D19	415.5	140.8
Washington – Corbin	1995	1	66	29	52.7	52.0	151.0	M 5 D 6	26.5	19.6
	1994	1	52	15	41.4	33.3	108.0	M 1 D 8	21.0	18.2
ETHYLENE										
Baton Rouge – Pride	1995	1/3								
	1994	1/3		17		1.5				1.2
Baton Rouge – Capitol	1995	2	56	15	10.2	9.6	46.2	M 1 D 9	8.1	5.0
	1994	2	50	15	5.6	6.9	38.8	M 2 D25	5.9	4.6
Boston – Lynn	1995	2	66	15	3.5	2.8	8.8	M 2 D 8	1.9	1.7
	1994	2	53	15	5.4	4.5	21.7	M 12 D22	4.1	4.3
Boston – Newbury	1995	3		10		1.4				0.7
	1994	3								
Connecticut – E. Hartford	1995	2		13		1.8				0.8
	1994	2		11		0.1				0.0
Connecticut – Stafford	1995	3		5		1.0				0.6
	1994	3		11		0.8				0.7
Lake Michigan – Chicago	1995	2								3.5
	1994	2		17		13.5				4.9
Lake Michigan – Chicago-Jard	1995	2		18		5.9				
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	5.4	2.9	34.7	M 3 D16	6.1	1.5
	1994	2	49	14	7.7	6.6	40.0	M 8 D 6	9.6	10.0
Lake Michigan – Harrington B	1995	3		9		1.3				0.4
	1994	3		11		2.5				1.2
Lake Michigan – Camp Logan	1995	4		17		2.1				1.3
	1994	4				3.1				2.1
Providence – E. Providence	1995	2	55	15	4.3	3.3	14.5	M 1 D 9	3.0	1.9
	1994	2		11		3.1				1.6
South Coast/SEDAB – Pico Riv	1995	2	61	16	4.3	5.8	28.3	M 9 D18	5.2	7.2
	1994	2		13		5.4				4.4
South Coast/SEDAB – Azusa	1995	3		8		10.6				6.1
	1994	3								
South Coast/SEDAB – Upland	1995	4	57	13	3.4	8.7	19.0	M 8 D 7	4.3	6.4
	1994	4		13		5.7				4.3
Springfield – Agawam	1995	1		2		2.0				1.1
	1994	1								
Springfield – Chicopee	1995	2	50	6	4.5	4.1	15.9	M 2 D 8	3.1	1.6
	1994	2	53	15	6.6	4.5	21.0	M 12 D21	5.3	3.7
Washington – Corbin	1995	1	67	29	1.5	1.0	9.9	M 2 D14	1.7	0.4
	1994	1	52	15	2.1	1.0	6.0	M 11 D16	1.4	1.2
PROPYLENE										
Baton Rouge – Pride	1995	1/3								
	1994	1/3		17		0.6				0.8
Baton Rouge – Capitol	1995	2	62	15	7.6	5.8	190.4	M 3 D28	23.9	2.5
	1994	2	72	17	4.4	4.2	14.7	M 2 D 7	3.2	2.9
Beaumont – Pt. Arthur	1995	2		15	17.6	11.2	119.1	M 4 D 3	24.6	13.6
	1994	2								

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of	
			Anual	Summer	Annual	Summer	Value	Occured	Annual Mean	Summer Mean
Boston – Lynn	1995	2	66	15	1.8	1.6	4.9	M 2 D 8	1.0	0.9
Boston – Newbury	1994	2	53	15	3.3	3.7	10.3	M 8 D 18	1.9	2.8
	1995	3		10		1.1				0.3
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.3				0.4
	1994	2		11		0.3				0.5
Connecticut – Stafford	1995	3		5		0.2				0.3
	1994	3		11		0.1				0.0
Houston – Clinton Dr.	1995	2		16	9.7	9.2	36.4	M10 D18	7.9	5.4
	1994	2								
Lake Michigan – Chicago	1995	2								
	1994	2		17		4.6				1.6
Lake Michigan – Chicago-Jard	1995	2		18		2.5				2.1
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	1.7	1.2	12.8	M 3 D16	2.1	0.6
	1994	2	49	14	2.9	3.1	18.0	M 8 D 6	3.7	4.4
Lake Michigan – Harrington B	1995	3		9		0.6				0.3
	1994	3		11		1.8				0.5
Lake Michigan – Camp Logan	1995	4		17		1.2				0.8
	1994	4		17		1.3				1.1
Providence – E. Providence	1995	2	55	15	1.6	1.2	5.1	M10 D18	1.0	0.7
	1994	2		8		1.5				0.3
South Coast/SEDAB – Pico Riv	1995	2	61	16	4.4	5.0	9.6	M 2 D 2	2.1	1.3
	1994	2		13		3.9				1.6
South Coast/SEDAB – Azusa	1995	3		9		6.9				5.1
	1994	3								
South Coast/SEDAB – Upland	1995	4	57	13	3.5	5.0	10.8	M12 D11	1.9	1.6
	1994	4		13		3.6				1.3
Springfield – Agawam	1995	1		2		1.2				0.5
	1994	1								
Springfield – Chicopee	1995	2	50	6	2.4	3.0	6.4	M 1 D 9	1.3	1.1
	1994	2	54	15	3.5	4.1	9.4	M 8 D18	2.3	2.2
Washington – Corbin	1995	1	73	30	0.9	0.8	6.2	M10 D24	1.2	0.6
	1994	1	52	15	0.3	0.2	3.5	M 1 D 2	0.8	0.7
N-HEXANE										
Baton Rouge – Pride	1995	1/3								
	1994	1/3		17		1.3				0.8
Baton Rouge – Capitol	1995	2	62	15	4.9	6.9	16.9	M12 D 5	4.2	3.4
	1994	2	73	17	4.3	4.4	15.1	M10 D17	2.8	2.7
Beaumont – Pt. Arthur	1995	2		15	5.9	5.8	24.4	M 4 D 3	4.4	2.6
	1994	2								
Boston – Lynn	1995	2	66	15	2.3	1.2	35.1	M12 D11	5.8	0.8
	1994	2	53	15	0.5	1.3	2.8	M 7 D25	0.7	0.8
Boston – Newbury	1995	3		10		0.6				0.5
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.3				0.5
	1994	2		4		1.8				1.7
Connecticut – Stafford	1995	3		5		0.2				0.3
	1994	3								
Houston – Clinton Dr.	1995	2		16	9.6	11.1	47.7	M 9 D12	7.3	5.8
	1994	2								
Lake Michigan – Chicago	1995	2								
	1994	2		17		5.2				2.2
Lake Michigan – Chicago-Jard	1995	2		18		2.8				2.9
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	2.0	1.9	16.2	M 3 D16	2.5	1.0
	1994	2	49	14	3.5	3.6	26.0	M11 D16	4.7	4.5
Lake Michigan – Harrington B	1995	3		9		0.4				0.2
	1994	3		11		1.0				0.4
Lake Michigan – Camp Logan	1995	4		17		4.3				9.6
	1994	4		17		2.0				1.9
Providence – E. Providence	1995	2	55	15	1.8	2.0	6.2	M10 D18	1.4	1.6
	1994	2		8		1.5				0.5
South Coast/SEDAB – Pico Riv	1995	2	61	16	8.5	9.6	31.0	M11 D23	6.1	2.8
	1994	2		13		6.3				2.5
South Coast/SEDAB – Azusa	1995	3		9		7.5				1.8
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	5.5	7.0	16.5	M11 D17	3.1	1.7
	1994	4		13		6.5				2.0
Springfield – Agawam	1995	1		2		0.2				0.2
	1994	1								
Springfield – Chicopee	1995	2	50	6	2.1	1.5	13.2	M10 D18	2.6	0.9
	1994	2	54	15	0.9	1.7	5.0	M 5 D14	1.2	0.9

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of Annual Mean	Standard Deviation of Summer Mean
			Anual	Summer	Annual	Summer	Value	Occured		
Washington – Corbin	1995	1	74	29	0.6	0.9	3.8	M 1 D21	0.8	0.8
	1994	1	52	15	1.1	0.0	11.1	M10 D17	2.2	0.0
ISOPRENE										
Baton Rouge – Pride	1995	1/3								9.6
	1994	1/3		17		13.5				
Baton Rouge – Capitol	1995	2	56	15	2.2	4.1	7.8	M 8 D25	1.9	1.5
	1994	2	50	15	1.6	3.2	5.6	M 7 D25	1.6	1.7
Beaumont – Pt. Arthur	1995	2		15	1.5	1.7	11.6	M 4 D21	2.0	1.8
	1994	2								
Boston – Lynn	1995	2	66	15	1.3	4.1	8.3	M 8 D 1	1.8	1.6
	1994	2	53	15	1.9	3.6	9.2	M 7 D25	2.1	2.9
Boston – Newbury	1995	3		10		2.1				1.9
	1994	3								
Connecticut – E. Hartford	1995	2		13		1.2				1.2
	1994	2		8		1.2				1.8
Connecticut – Stafford	1995	3		5		5.5				3.6
	1994	3		7		5.6				4.3
Houston – Clinton Dr.	1995	2		16	2.3	4.0	13.9	M 6 D26	2.3	3.6
	1994	2								
Lake Michigan – Chicago	1995	2								0.8
	1994	2		17		1.0				2.1
Lake Michigan – Chicago–Jard	1995	2		18		0.7				
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	0.6	0.6	1.6	M 3 D16	0.2	0.2
	1994	2	49	14	0.3	0.5	2.5	M 8 D 6	0.5	0.7
Lake Michigan – Harrington B	1995	3		9		0.2				0.3
	1994	3		11		0.3				0.3
Lake Michigan – Camp Logan	1995	4		17		4.4				3.5
	1994	4		17		3.2				7.9
Providence – E. Providence	1995	2	55	15	1.0	3.0	6.5	M 7 D14	1.5	1.8
	1994	2		10		3.0				2.1
South Coast/SEDAB – Pico Riv	1995	2	60	15	1.1	1.7	3.1	M 9 D 6	0.7	0.6
	1994	2		11		1.2				0.4
South Coast/SEDAB – Azusa	1995	3		9		1.3				0.4
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	1.6	4.3	17.3	M 8 D31	2.4	4.0
	1994	4		13		1.9				0.6
Springfield – Agawam	1995	1		2		0.7				0.3
	1994	1								
Springfield – Chicopee	1995	2	50	6	1.2	1.4	10.1	M 3 D22	1.9	1.1
	1994	2	54	15	2.5	3.8	9.7	M 7 D 7	2.3	3.1
Washington – Corbin	1995	1	63	25	6.6	10.6	76.2	M 5 D 6	12.3	11.2
	1994	1	52	15	5.1	13.5	21.3	M 7 D25	6.2	5.4
2,2,4-TRIMETHYL PENTANE										
Baton Rouge – Pride	1995	1/3								0.5
	1994	1/3		17		0.6				
Baton Rouge – Capitol	1995	2	56	15	6.4	8.0	15.3	M 3 D16	3.6	2.4
	1994	2	50	15	2.6	2.0	19.4	M 2 D25	2.8	1.0
Beaumont – Pt. Arthur	1995	2		15		1.5				0.8
	1994	2								
Boston – Lynn	1995	2	66	15	3.9	2.0	21.7	M 1 D15	3.4	1.6
	1994	2	53	15	10.4	20.3	44.9	M 6 D19	12.7	16.6
Boston – Newbury	1995	3		10		1.5				2.8
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.3				0.5
	1994	2		8		1.6				2.3
Connecticut – Stafford	1995	3		5		0.1				0.3
	1994	3								
Houston – Clinton Dr.	1995	2		16		1.7				1.1
	1994	2								
Lake Michigan – Chicago	1995	2								2.0
	1994	2		17		5.8				4.8
Lake Michigan – Chicago–Jard	1995	2		18		3.3				
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	2.7	2.5	24.9	M 3 D16	4.0	2.3
	1994	2	41	6	3.8	7.5	32.0	M 8 D 6	6.0	12.1
Lake Michigan – Harrington B	1995	3		9		0.4				0.2
	1994	3		2		0.3				0.4
Lake Michigan – Camp Logan	1995	4		17		1.8				2.9
	1994	4		17		1.8				1.9
Providence – E. Providence	1995	2	55	15	1.7	1.9	6.0	M10 D18	1.3	1.5
	1994	2		11		1.5				0.6
South Coast/SEDAB – Pico Riv	1995	2	61	16	7.6	8.0	21.6	M11 D23	4.8	2.2
	1994	2		13		6.6				2.7

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of	
			Anual	Summer	Annual	Summer	Value	Occured	Annual Mean	Summer Mean
South Coast/SEDAB – Azusa	1995	3		9		6.8				1.6
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	5.7	7.4	15.6	M11 D17	2.8	2.1
	1994	4		13		7.1				2.2
Springfield – Agawam	1995	1		2		0.0				0.0
	1994	1								
Springfield – Chicopee	1995	2	50	6	5.9	1.4	45.5	M 4 D 3	7.7	1.1
	1994	2	54	15	7.6	4.8	27.2	M10 D29	10.1	8.3
Washington – Corbin	1995	1	72	29	0.4	0.4	3.4	M 1 D15	0.6	0.4
	1994	1	52	15	0.5	0.0	3.4	M11 D16	0.9	0.0
FORMALDEHYDE										
Baltimore – Essex	1995	2	52	12	2.2	1.9	20.7	M 5 D27	2.7	0.9
	1994	2		14		5.5				1.3
Baton Rouge – Capitol	1995	2		78		4.8				2.2
Lake Michigan – Milwaukee	1995	2		15	2.3	2.9	4.8	M 5 D 3	1.0	1.1
	1994	2								
New York – Bronx Botanical G	1995	2		15		4.9				2.5
	1994	2								
Philadelphia – East Lycoming	1995	2		4	4.0		7.9	M 8 D30	1.7	
	1994	2	56	13	4.2	6.3	14.6	M 2 D19	2.7	
Providence – E. Providence	1995	2		14	2.2	3.6	9.7	M 7 D14	1.5	2.4
	1994	2								
San Diego – El Cajon	1995	2								
	1994	2	28	9	2.3	2.4	5.3	M11 D28	1.1	1.3
South Coast/SEDAB – Pico Riv	1995	2								
	1994	2		9		1.7				1.1
South Coast/SEDAB – Azusa	1995	3								
	1994	3		3		2.0				0.9
Ventura Co. – Simi Valley	1995	3								
	1994	3	31	8	1.9	1.8	3.6	M12 D 4	0.7	0.7
ACETALDEHYDE										
Baltimore – Essex	1995	2	52	12	1.5	1.3	18.8	M 5 D27	2.5	0.6
	1994	2		14		2.2				0.8
Baton Rouge – Capitol	1995	2		78		1.4				1.0
Lake Michigan – Milwaukee	1995	2		11	2.8	3.3	6.8	M 9 D12	1.4	1.5
	1994	2								
New York – Bronx Botanical G	1995	2		15		3.0				1.7
	1994	2								
Philadelphia – East Lycoming	1995	2		4	2.8		8.1	M 2 D19	1.4	
	1994	2	56	13	5.1	7.1	19.0	M 2 D19	3.4	
Providence – E. Providence	1995	2		14	1.8	2.4	5.4	M 7 D14	1.0	1.4
	1994	2								
San Diego – El Cajon	1995	2								
	1994	2	28	9	3.3	3.4	7.2	M 1 D20	1.6	1.3
South Coast/SEDAB – Pico Riv	1995	2								
	1994	2		9		2.1				1.7
South Coast/SEDAB – Azusa	1995	3								
	1994	3		3		0.2				0.0
Ventura Co. – Simi Valley	1995	3								
	1994	3	31	8	3.0	3.8	6.0	M10 D23	1.7	1.2
M/P XYLENE										
Baltimore – Essex	1995	2	53	14	8.9	5.0	60.3	M 5 D21	10.3	4.9
	1994	2	58	14	7.8	7.3	33.2	M12 D28	6.0	2.8
Baltimore – Morgan State	1995	2		10		3.9				1.3
	1994	2								
Baton Rouge – Pride	1995	1/3								
	1994	1/3		13		0.7				0.5
Baton Rouge – Capitol	1995	2	62	15	4.6	6.2	19.0	M 1 D 9	3.3	3.2
	1994	2	46	12	4.7	4.1	12.6	M 4 D 8	2.7	1.7
Beaumont – Pt. Arthur	1995	2	58	15	3.5	2.4	60.4	M 4 D21	7.8	0.7
	1994	2	57	15	4.5	4.4	36.3	M10 D23	4.8	3.4
Boston – Lynn	1995	2	66	15	2.6	2.7	7.0	M 6 D14	1.4	1.6
	1994	2	53	15	4.8	5.5	17.1	M 4 D 2	3.6	2.0
Boston – Newbury	1995	3		10		1.6				0.9
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.1				0.5
	1994	2								
Connecticut – Stafford	1995	3		5		1.5				3.3
	1994	3								
Houston – Clinton Dr.	1995	2	60	16	9.3	9.9	34.4	M 2 D20	6.7	2.5
	1994	2	58	15	13.6	18.1	53.1	M 7 D13	10.0	12.7
Lake Michigan – Chicago-Jard	1995	2		18		4.9				3.7
	1994	2								

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of Annual Mean	Standard Deviation of Summer Mean
			Anual	Summer	Annual	Summer	Value	Occured		
Lake Michigan – Milwaukee	1995	2	59	15	4.0	4.0	30.8	M 3 D16	4.8	2.0
	1994	2	49	14	7.0	8.7	47.0	M 8 D 6	9.0	11.8
Lake Michigan – Harrington B	1995	3		9		0.6			0.2	
	1994	3		11		1.6			0.9	
Lake Michigan – Camp Logan	1995	4		17		6.8				13.5
	1994	4								
Providence – E. Providence	1995	2	55	15	3.7	4.1	14.3	M10 D12	3.0	3.3
	1994	2		11		3.7			1.5	
South Coast/SEDAB – Pico Riv	1995	2								1.7
	1994	2		10		5.9				
South Coast/SEDAB – Upland	1995	4								1.3
	1994	4		13		4.6				
Springfield – Agawam	1995	1		2		1.8				1.3
	1994	1								
Springfield – Chicopee	1995	2	50	6	5.0	4.2	14.4	M10 D18	3.4	1.9
	1994	2	54	15	8.9	4.6	190.3	M 2 D13	25.5	2.1
Washington – Corbin	1995	1	66	28	0.4	0.3	4.8	M 1 D27	0.7	0.3
	1994	1	52	15	1.5	1.8	6.2	M 6 D19	1.9	2.3
BENZENE										
Baltimore – Essex	1995	2	53	14	4.3	2.7	13.2	M11 D17	2.7	0.7
	1994	2	58	14	5.8	4.6	24.7	M12 D28	4.2	2.0
Baltimore – Morgan State	1995	2		10		2.4				0.6
	1994	2								
Baton Rouge – Pride	1995	1/3								0.8
	1994	1/3		17		1.8				
Baton Rouge – Capitol	1995	2	62	15	4.9	6.4	12.8	M 1 D 9	2.3	2.1
	1994	2	73	17	5.0	4.0	17.3	M10 D23	3.1	2.0
Beaumont – Pt. Arthur	1995	2		15	9.9	9.6	86.4	M 4 D 3	16.5	13.0
	1994	2								
Boston – Lynn	1995	2	66	15	2.0	1.9	5.6	M 2 D 8	1.2	1.1
	1994	2	53	15	5.7	5.8	13.6	M 2 D19	2.6	2.8
Boston – Newbury	1995	3		10		1.0				0.6
	1994	3								
Connecticut – E. Hartford	1995	2		13		34.8				33.2
	1994	2		11		5.5				1.9
Connecticut – Stafford	1995	3		5		9.9				19.3
	1994	3		11		5.3				6.9
Houston – Clinton Dr.	1995	2	46	7	8.9	7.2	21.8	M11 D11	4.7	2.6
	1994	2	58	15	12.9	9.5	68.5	M 9 D17	14.8	5.8
Lake Michigan – Chicago	1995	2								2.2
	1994	2		17		9.5				1.6
Lake Michigan – Chicago-Jard	1995	2		18		3.0				
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	2.7	2.1	17.3	M 3 D16	2.7	1.1
	1994	2	49	14	5.0	5.9	35.0	M 8 D 6	6.0	8.6
Lake Michigan – Harrington B	1995	3		9		0.8				0.1
	1994	3		11		2.1				0.8
Lake Michigan – Camp Logan	1995	4		17		6.5				14.4
	1994	4		17		2.2				1.6
Providence – E. Providence	1995	2	55	15	3.0	3.5	20.4	M 8 D 1	2.8	4.8
	1994	2		11		2.6				1.1
San Diego – El Cajon	1995	2								
	1994	2	27	8	7.7	6.2	19.8	M 1 D20	5.0	4.0
South Coast/SEDAB – Pico Riv	1995	2	61	16	11.1	11.0	31.7	M12 D 5	6.6	2.5
	1994	2		13		11.7				4.1
South Coast/SEDAB – Azusa	1995	3		9		10.7				2.2
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	9.1	11.7	24.3	M11 D17	4.4	2.7
	1994	4		13		13.7				4.2
Springfield – Agawam	1995	1		2		2.0				1.2
	1994	1								
Springfield – Chicopee	1995	2	50	6	2.7	1.7	8.1	M 2 D 8	1.7	1.0
	1994	2	54	15	5.8	5.0	17.3	M 2 D19	3.1	2.5
Ventura Co. – Simi Valley	1995	3	28	7	5.0	4.9	12.0	M 1 D20	3.1	1.8
	1994	3								
Washington – Corbin	1995	1	69	28	1.1	0.9	4.3	M 1 D21	1.0	0.4
	1994	1	52	15	1.3	0.0	3.6	M 1 D 8	1.2	0.0
TOLUENE										
Baltimore – Essex	1995	2	53	14	10.2	7.6	26.8	M10 D12	5.9	3.0
	1994	2	58	14	14.1	12.4	43.2	M12 D 4	10.0	4.5
Baltimore – Morgan State	1995	2		10		6.9				2.5
	1994	2								
Baton Rouge – Pride	1995	1/3		17		2.0				1.2

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of	
			Anual	Summer	Annual	Summer	Value	Occured	Annual Mean	Summer Mean
Baton Rouge – Capitol	1995	2	62	15	7.5	10.0	22.4	M 1 D 9	4.9	5.1
	1994	2	73	17	8.0	5.9	46.4	M 2 D25	6.3	2.5
Beaumont – Pt. Arthur	1995	2	58	15	7.5	4.5	112.7	M10 D12	14.7	1.2
	1994	2	57	15	8.8	5.9	43.7	M10 D23	7.5	3.1
Boston – Lynn	1995	2	66	15	4.6	4.6	13.0	M 6 D14	2.7	3.1
	1994	2	53	15	7.3	7.4	28.9	M12 D22	5.3	2.8
Boston – Newbury	1995	3		10		2.6				1.5
	1994	3								
Connecticut – E. Hartford	1995	2		13		3.7				1.6
	1994	2		11		10.2				5.4
Connecticut – Stafford	1995	3		5		1.7				0.9
	1994	3		11		6.5				2.6
Houston – Clinton Dr.	1995	2	60	16	14.4	16.4	35.6	M 7 D26	6.8	6.7
	1994	2	58	15	17.5	19.7	40.7	M10 D 5	9.2	9.7
Lake Michigan – Chicago	1995	2		17		22.2				5.1
	1994	2		18		8.6				5.6
Lake Michigan – Milwaukee	1995	2	59	15	7.4	7.1	51.5	M 3 D16	8.4	3.9
	1994	2	49	14	14.9	18.5	110.0	M 8 D 6	19	27.5
Lake Michigan – Harrington B	1995	3		9		1.8				0.5
	1994	3		11		3.7				1.9
Lake Michigan – Camp Logan	1995	4		17		22.1				45.2
	1994	4		17		11.4				9.3
Providence – E. Providence	1995	2	55	15	7.8	8.7	27.1	M10 D12	6.3	7.5
	1994	2		11		8.9				3.4
San Diego – El Cajon	1995	2								
	1994	2	28	8	28.0	19.9	203.0	M 6 D25	36.1	11
South Coast/SEDAB – Pico Riv	1995	2	61	16	50.9	48.4	220.3	M 2 D 2	39.8	27.5
	1994	2		13		35.7				13.8
South Coast/SEDAB – Azusa	1995	3		9		36.0				7.8
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	26.1	33.4	74.1	M11 D17	13.5	8.2
	1994	4		13		31.8				9.7
Springfield – Agawam	1995	1		2		2.9				0
	1994	1								
Springfield – Chicopee	1995	2	50	6	9.9	9.1	101.1	M 5 D15	14.6	6.6
	1994	2	54	15	10.1	8.4	48.7	M 2 D13	8.2	3.1
Ventura Co. – Simi Valley	1995	3								
	1994	3	29	7	17.1	25.3	84.0	M 7 D22	15.6	26.4
Washington – Corbin	1995	1	65	28	1.5	1.0	5.5	M 1 D21	1.4	0.6
	1994	1	52	15	3.1	1.8	8.2	M12 D28	1.9	2
ETHYLBENZENE										
Baltimore – Essex	1995	2	53	14	2.2	1.5	8.1	M10 D12	1.8	1.2
	1994	2	58	14	2.5	2.4	11.8	M12 D28	2	1.1
Baltimore – Morgan State	1995	2		10		1.7				0.6
	1994	2								
Baton Rouge – Pride	1995	1/3		17		0.5				0.5
	1994	1/3								
Baton Rouge – Capitol	1995	2	62	15	1.4	2.0	4.7	M 6 D 2	1	1.2
	1994	2	73	17	1.7	1.3	8.9	M 2 D25	1.2	0.7
Beaumont – Pt. Arthur	1995	2	58	15	1.6	0.8	20.0	M 4 D21	2.8	0.6
	1994	2	57	15	3.2	3.0	14.2	M10 D23	1.5	0
Boston – Lynn	1995	2	66	15	1.0	0.9	7.4	M12 D29	0.9	0.4
	1994	2	53	15	1.1	1.6	4.6	M12 D22	1	0.8
Boston – Newbury	1995	3		10		0.6				0.3
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.0				0.2
	1994	2		11		5.8				1.6
Connecticut – Stafford	1995	3		5		0.4				0.9
	1994	3		11		4.0				3.2
Houston – Clinton Dr.	1995	2	60	16	3.1	3.5	8.1	M 2 D20	2	1.5
	1994	2	58	15	4.1	4.9	10.7	M10 D 5	2.2	2.5
Lake Michigan – Chicago	1995	2		17		4.0				1.4
	1994	2		18		1.4				1.1
Lake Michigan – Milwaukee	1995	2	59	15	1.0	1.0	9.1	M 3 D16	1.3	0.6
	1994	2	49	14	2.0	2.4	14.0	M 8 D 6	2.6	3.5
Lake Michigan – Harrington B	1995	3		9		0.0				0
	1994	3		11		0.4				0.4
Lake Michigan – Camp Logan	1995	4		17		1.7				3
	1994	4		17		0.9				1
Providence – E. Providence	1995	2	55	15	1.1	1.3	4.3	M10 D12	0.9	1
	1994	2		11		1.2				0.5

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of Annual Mean	Standard Deviation of Summer Mean
			Anual	Summer	Annual	Summer	Value	Occured		
San Diego – El Cajon	1995	2								
	1994	2	28	8	3.1	2.4	7.2	M 1 D 8	1.5	0.0
South Coast/SEDAB – Pico Riv	1995	2	61	16	6.9	9.5	31.3	M 7 D 14	5.6	7.9
	1994	2		13		5.8				2.3
South Coast/SEDAB – Azusa	1995	3		9		6.5				2.5
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	4.2	5.5	11.7	M 11 D 17	2.3	1.4
	1994	4		13		5.1				1.5
Springfield – Agawam	1995	1		2		0.5				0.4
	1994	1								
Springfield – Chicopee	1995	2	50	6	2	1.5	11.9	M 12 D 5	1.9	0.8
	1994	2	54	15	2.1	1.3	25.5	M 2 D 13	3.5	0.7
Ventura Co. – Simi Valley	1995	3								
	1994	3	29	7	2.6	2.4	4.8	M 1 D 20	0.6	0.0
Washington – Corbin	1995	1	71	29	0.1	0.1	3.2	M 5 D 12	0.4	0.2
	1994	1	52	15	0.4	0.7	3.9	M 6 D 19	0.8	1.2
O-XYLENE										
Baltimore – Essex	1995	2								
	1994	2		14	3.8	4.4	31	M 8 D 25	5.7	8.7
Baltimore – Morgan State	1995	2								
	1994	2		10		2				0.7
Baton Rouge – Pride	1995	1/3								
	1994	1/3		17		0.8				0.7
Baton Rouge – Capitol	1995	2	62	15	2.2	2.9	6.2	M 1 D 9	1.2	1.2
	1994	2	73	17	2.2	1.7	10.6	M 2 D 25	1.5	1.0
Beaumont – Pt. Arthur	1995	2	58	15	2	0.9	38.8	M 4 D 21	5.1	0.6
	1994	2	57	15	3	3	7.3	M 10 D 23	0.6	0.0
Boston – Lynn	1995	2	66	15	1.4	1.5	9.6	M 11 D 17	1.2	0.9
	1994	2	53	15	1.2	1.9	5.9	M 12 D 22	1.3	1.1
Boston – Newbury	1995	3		10		1.5				
	1994	3								1.4
Connecticut – E. Hartford	1995	2								0.3
	1994	2		13		0.2				3.9
Connecticut – Stafford	1995	3								0.9
	1994	3		11		0.6				3.4
Houston – Clinton Dr.	1995	2	60	16	3.7	3.7	13	M 5 D 9	2.9	1.5
	1994	2	58	15	4.5	4.8	13.5	M 10 D 5	2.6	2.4
Lake Michigan – Chicago	1995	2								
	1994	2		17		5.2				2.0
Lake Michigan – Chicago-Jard	1995	2		18		1.9				1.4
	1994	2								
Lake Michigan – Milwaukee	1995	2	59	15	1.4	1.3	11.1	M 3 D 16	1.8	0.8
	1994	2	49	14	2.7	3.2	16	M 8 D 6	3.0	4.0
Lake Michigan – Harrington B	1995	3		9		0				0.1
	1994	3				0.7				0.3
Lake Michigan – Camp Logan	1995	4		11		3				4.9
	1994	4		17		1.8				1.3
Providence – E. Providence	1995	2	55	15	1.5	1.6	5.6	M 8 D 31	1.1	1.4
	1994	2		11		1.4				0.7
San Diego – El Cajon	1995	2								
	1994	2	28	8	4.8	3.9	11.2	M 1 D 20	2.8	1.8
South Coast/SEDAB – Pico Riv	1995	2	61	16	9	11.4	33.5	M 7 D 14	6.1	6.9
	1994	2		13		8.8				4.6
South Coast/SEDAB – Azusa	1995	3		9		6.8				1.6
	1994	3								
South Coast/SEDAB – Upland	1995	4	58	13	5.4	6.8	14.6	M 11 D 17	2.8	1.7
	1994	4		13		6.5				1.9
Springfield – Agawam	1995	1		2		0.8				0.6
	1994	1								
Springfield – Chicopee	1995	2	50	6	2.5	2.1	5.2	M 4 D 9	1.6	1.0
	1994	2	54	15	2.1	1.4	10.7	M 3 D 3	2.3	0.6
Ventura Co. – Simi Valley	1995	3								
	1994	3	29	7	3.2	4	7.2	M 1 D 20	1.8	1.7
Washington – Corbin	1995	1	68	30	1.5	0.3	78.8	M 10 D 30	9.5	0.6
	1994	1	52	15	0.4	0.4	5	M 6 D 19	0.9	1.3
STYRENE										
Baltimore – Essex	1995	2	53	14	0.5	0.3	2.8	M 10 D 12	0.5	0.2
	1994	2	58	14	0.8	0.8	10.7	M 5 D 2	1.5	0.4
Baltimore – Morgan State	1995	2								2.4
	1994	2		10		4.6				
Baton Rouge – Pride	1995	1/3								
	1994	1/3		17		0.7				1.0
Baton Rouge – Capitol	1995	2	58	15	0.8	0.6	11	M 1 D 9	1.4	0.3
	1994	2	72	17	1.2	0.9	5.6	M 12 D 28	1.0	0.9

Table A-14. PAMS Summary Statistics for Selected Parameters (24-hour samples), 1994 – 1995 (continued)

Parameter-Area-Site	Year	Site Type	# OBS		Means		Absolute Max		Standard Deviation of	
			Anual	Summer	Annual	Summer	Value	Occured	Annual Mean	Summer Mean
Beaumont – Pt. Arthur	1995	2	58	15	1.1	0.3	5.1	M 4 D15	1.4	0.4
	1994	2	57	15	3.2	3.0	10.6	M10 D23	1.2	0.0
Boston – Lynn	1995	2	66	15	1.0	1.5	3.6	M 6 D 2	0.8	0.8
	1994	2	53	15	3.0	5.9	28.5	M 8 D18	5.4	8.5
Boston – Newbury	1995	3		10		1.1				1.0
	1994	3								
Connecticut – E. Hartford	1995	2		13		0.2				0.3
	1994	2		11		11.9				2.2
Connecticut – Stafford	1995	3		5		0.0				0.0
	1994	3		11		11.4				3.5
Houston – Clinton Dr.	1995	2	60	16	1.4	0.9	12.8	M 2 D20	2.1	1.3
	1994	2	58	15	3.6	3.9	13.8	M11 D 4	2.0	2.1
Lake Michigan – Chicago	1995	2								
	1994	2		17		1.3				1.2
Lake Michigan – Chicago-Jard	1995	2		18		0.7				0.9
	1994	2								
Lake Michigan – Milwaukee	1995	2	52	12	0.6	0.5	4.8	M 3 D16	0.6	0.0
	1994	2	42	8	0.4	0.5	4.0	M10 D11	0.9	0.6
Lake Michigan – Harrington B	1995	3		9		0.0				0.0
	1994	3		8		0.2				0.2
Lake Michigan – Camp Logan	1995	4		17		2.3				2.2
	1994	4		17		1.8				1.8
Providence – E. Providence	1995	2	55	15	0.4	0.3	1.6	M 1 D21	0.3	0.1
	1994	2		11		0.3				0.2
San Diego – El Cajon	1995	2								
	1994	2	28	8	1.2	1.0	3.2	M 1 D20	0.8	0.6
South Coast/SEDAB – Pico Riv	1995	2	58	15	5.5	4.3	39.0	M10 D24	6.5	4.6
	1994	2		7		2.8				1.1
South Coast/SEDAB – Azusa	1995	3		9		7.3				5.4
	1994	3								
South Coast/SEDAB – Upland	1995	4	57	12	2.4	5.8	14.2	M 9 D30	2.9	4.8
	1994	4		6		2.8				1.4
Springfield – Agawam	1995	1		2		1.2				0.1
	1994	1								
Springfield – Chicopee	1995	2	50	6	2.9	3.7	10.4	M 5 D15	3.1	2.3
	1994	2	54	15	4.7	5.4	65.2	M 2 D19	9.8	7.5
Ventura Co. – Simi Valley	1995	3								
	1994	3	29	7	1.0	1.1	4.0	M 6 D25	0.9	0.8
Washington – Corbin	1995	1	73	30	1.2	0.5	63.2	M10 D18	7.4	0.5
	1994	1	52	15	0.3	0.9	7.0	M 6 D19	1.1	1.9

Notes:

- Only data reported to AIRS are included in this report. EPA is aware that several reporting organizations were unable (due to software problems) to report undetected speciated VOC detail as zero; since these 'missing' data are not included in the tabulations, some levels may be overstated.
- Annual statistics and absolute maxima information are only shown for sites that reported in at least 10 months of the year. Summer statistics are only shown for sites that reported in at least 2 months of the summer ozone season. The summer ozone season is June–August for all States but CA; in CA the season is July–September.

Table A-15. Condensed Nonattainment Areas List(a)

State	Area Name(b)	Pollutant(c)					Population(d)						
		O ₃	CO	SO ₂	PM-10	Pb	NO ₂	O ₃	CO	SO ₂	PM-10	Pb	All
1 AK	Anchorage	.	1	.	1	.	.	222	.	170	.	222	
2 AK	Fairbanks	.	1	.	.	.	.	30	.	.	.	30
3 AK	Juneau	.	.	.	1	.	.	.	.	12	.	12
4 AL	Birmingham	1	.	.	.	.	.	751	.	.	.	751
5 AZ	Ajo	.	.	1	1	6	6	.	6
6 AZ	Bullhead City	.	.	.	1	.	.	.	.	5	.	5
7 AZ	Douglas	.	.	1	1	13	13	.	13
8 AZ	Miami-Hayden	.	.	2	1	3	3	.	3
9 AZ	Morenci	.	.	1	.	.	.	.	.	8	.	8
10 AZ	Nogales	.	.	.	1	.	.	.	.	19	.	19
11 AZ	Paul Spur	.	.	.	1	.	.	.	.	1	.	1
12 AZ	Payson	.	.	.	1	.	.	.	.	8	.	8
13 AZ	Phoenix	1	1	.	1	.	.	2,092	2,006	.	2,122	.	2,122
14 AZ	Rillito	.	.	.	1	.	.	.	.	0	.	0
15 AZ	San Manuel	.	.	1	.	.	.	.	.	5	.	5
16 AZ	Yuma	.	.	.	1	.	.	.	.	55	.	55
17 CA	Chico	.	1	.	.	.	.	.	72	.	.	72
18 CA	Coachella Valley	.	.	.	1	.	.	.	.	183	.	183
19 CA	Imperial Valley	.	.	.	1	.	.	.	.	92	.	92
20 CA	Lake Tahoe South Shore	.	1	.	.	.	.	.	30	.	.	30
21 CA	Los Angeles-South Coast Air Basin	1	1	.	2	.	1(e)	13,000	13,000	.	13,167	.	13,167
22 CA	Mammoth Lakes (in Mono Co.)	.	.	.	1	.	.	.	.	5	.	5
23 CA	Mono Basin (in Mono Co.)	.	.	.	1	.	.	.	.	0	.	0
24 CA	Monterey Bay	1	.	.	.	.	.	622	.	.	.	622
25 CA	Owens Valley	.	.	.	1	.	.	.	.	18	.	18
26 CA	Sacramento Metro	1	1	.	1	.	.	1,639	1,097	.	1,041	.	1,639
27 CA	San Diego	1	1	2,498	2,348	.	.	.	2,498
28 CA	San Francisco-Oakland-San Jose	.	1(f)	.	.	.	.	.	3,630	.	.	3,630
29 CA	San Joaquin Valley	1	3	.	1	.	.	2,742	946	.	2,742	.	2,742
30 CA	Santa Barbara-Santa Maria-Lompoc	1	.	.	.	.	.	370	.	.	.	370
31 CA	Searles Valley	.	.	.	1	.	.	.	.	31	.	31
32 CA	Southeast Desert Modified AQMA	1	.	.	.	.	.	384	.	.	.	384
33 CA	Ventura Co.	1	.	.	.	.	.	669	.	.	.	669
34 CO	Aspen	.	.	.	1	.	.	.	.	5	.	5
35 CO	Canon City	.	.	.	1	.	.	.	.	13	.	13
36 CO	Colorado Springs	.	1	.	.	.	.	.	353	.	.	353
37 CO	Denver-Boulder	.	1	.	1	.	.	.	1,800	.	1,836	.	1,836
38 CO	Fort Collins	.	1	.	.	.	.	.	106	.	.	106
39 CO	Lamar	.	.	.	1	.	.	.	.	8	.	8
40 CO	Longmont	.	1	.	.	.	.	.	52	.	.	52
41 CO	Pagosa Springs	.	.	.	1	.	.	.	.	1	.	1
42 CO	Steamboat Springs	.	.	.	1	.	.	.	.	7	.	7
43 CO	Telluride	.	.	.	1	.	.	.	.	1	.	1
44 CT	Greater Connecticut	1	.	.	1	.	.	2,470	.	130	.	2,470	
45 DC-MD-VA	Washington	1	.	.	.	.	.	3,923	.	.	.	3,923
46 DE	Sussex Co	1	.	.	.	.	.	113	.	.	.	113
47 GA	Atlanta	1	.	.	.	.	.	2,653	.	.	.	2,653
48 GA	Muscogee Co.	.	.	.	.	1	.	.	.	179	179	.
49 GU	Piti Power Plant	.	.	1	.	.	.	.	.	.	.	-
50 GU	Tanguisson Power Plant	.	.	1	.	.	.	.	.	.	.	-
51 IA	Muscatine Co.	.	.	1	.	.	.	.	23	.	.	23
52 ID	Boise	.	.	.	1	.	.	.	.	126	.	126
53 ID	Bonner Co.(Sandpoint)	.	.	.	1	.	.	.	.	27	.	27
54 ID	Pinehurst	.	.	.	1	.	.	.	.	2	.	2
55 ID	Pocatello	.	.	.	1	.	.	.	.	46	.	46

Table A-15. Condensed Nonattainment Areas List(a) (continued)

State	Area Name(b)	Pollutant(c)					Population(d)				
		O ₃	CO	SO ₂	PM-10	Pb	NO ₂	O ₃	CO	SO ₂	PM-10
56 ID	Shoshone	.	.	.	1	.	.	.	.	.	12
57 IL	Oglesby	.	.	.	1	.	.	.	.	.	4
58 IL-IN	Chicago-Gary-Lake County	1	.	1	3	.	.	7,887	.	476	625
59 IN	Evansville	1	.	.	.	.	.	165	.	.	.
60 IN	Marion Co.	.	.	1	.	1(g)	.	.	.	206	.
61 IN	Laporte Co.	.	.	1	.	.	.	.	.	107	.
62 IN	Vermillion Co.	.	.	.	1	.	.	.	.	.	17
63 IN	Vigo Co.	.	.	1	.	.	.	.	.	106	.
64 IN	Wayne Co.	.	.	1	.	.	.	.	.	72	.
65 KY	Boyd Co.	.	.	1(h)	.	.	.	.	.	51	.
66 KY	Muhlenberg Co.	.	.	1	.	.	.	.	.	31	.
67 KY-IN	Louisville	1	.	.	.	.	.	834	.	.	.
68 LA	Baton Rouge	1	.	.	.	.	.	582	.	.	.
69 LA	Lake Charles	1	.	.	.	.	.	168	.	.	.
70 MA	Springfield (W. Mass)	1	.	.	.	.	.	812	.	.	.
71 MA-NH	Boston-Lawrence-Worcester	1	.	.	.	.	.	5,501	.	.	.
72 MD	Baltimore	1	.	.	.	.	.	2,348	.	.	.
73 MD	Kent and Queen Anne Cos.	1	.	.	.	.	.	.	.	52	.
74 ME	Hancock and Waldo Cos.	1	.	.	.	.	.	.	.	80	.
75 ME	Knox and Lincoln Cos.	1	.	.	.	.	.	.	.	67	.
76 ME	Lewiston-Auburn	1	.	.	.	.	.	221	.	.	.
77 ME	Millinocket	.	.	1	.	.	.	.	.	8	.
78 ME	Portland	1	.	.	.	.	.	441	.	.	.
79 MI	Detroit	.	.	.	1	.	.	.	.	1,028	.
80 MI	Muskegon	1	.	.	.	.	.	159	.	.	.
81 MN	Minneapolis-St. Paul	.	1	.	1	.	.	2,310	.	272	.
82 MN	Olmsted Co.	.	.	1	.	.	.	.	71	.	71
83 MO	Dent	.	.	.	.	1	.	.	.	.	3
84 MO	Liberty-Arcadia	.	.	.	.	1	.	.	.	.	2
85 MO-IL	St. Louis	1	.	.	1(l)	1(j)	.	2,390	.	33	171
86 MT	Butte	.	.	.	1	.	.	.	.	34	.
87 MT	Columbia Falls	.	.	.	1	.	.	.	.	3	.
88 MT	Kalispell	.	.	.	1	.	.	.	.	12	.
89 MT	Lame Deer	.	.	.	1	.	.	.	.	1	.
90 MT	Lewis & Clark	.	.	1	.	1(k)	.	.	2	.	2
91 MT	Libby	.	.	.	1	.	.	.	.	3	.
92 MT	Missoula	.	1	.	1	.	.	43	.	43	.
93 MT	Polson	.	.	.	1	.	.	.	.	3	.
94 MT	Ronan	.	.	.	1	.	.	.	.	2	.
95 MT	Thompson Falls	.	.	.	1	.	.	.	.	1	.
96 MT	Whitefish	.	.	.	1	.	.	.	.	4	.
97 MT	Yellowstone	.	.	1	.	.	.	.	5	.	5
98 NE	Douglas	.	.	.	.	1	.	.	.	.	1
99 NH	Manchester	1	.	.	.	.	.	222	.	.	.
100 NH	Portsmouth-Dover-Rochester	1	.	.	.	.	.	183	.	.	.
101 NJ	Atlantic City	1	.	.	.	.	.	319	.	.	.
102 NM	Anthony	.	.	.	1	.	.	.	.	2	.
103 NM	Grant Co.	.	.	1	.	.	.	.	28	.	28
104 NM	Sunland Park	1(l)	.	.	.	.	.	8	.	.	8
105 NV	Central Steptoe Valley	.	.	1	.	.	.	.	2	.	2
106 NV	Las Vegas	.	1	.	1	.	.	258	.	741	.
107 NV	Reno	1	1	.	1	.	.	255	134	.	255
108 NY	Albany-Schenectady-Troy	1	.	.	.	.	.	874	.	.	.
109 NY	Buffalo-Niagara Falls	1	.	.	.	.	.	1,189	.	.	.
110 NY	Essex Co. (White Mtn.)	1	.	.	.	.	.	1	.	.	1

Table A-15. Condensed Nonattainment Areas List(a) (continued)

State	Area Name(b)	Pollutant(c)					Population(d)						
		O ₃	CO	SO ₂	PM-10	Pb	NO ₂	O ₃	CO	SO ₂	PM-10	Pb	All
111 NY	Jefferson Co.	1	.	.	.	.	.	111	.	.	.	.	111
112 NY	Poughkeepsie	1	.	.	.	.	.	259	.	.	.	.	259
113 NY-NJ-CT	New York-N. New Jersey-Long Island	1	1	.	1	.	.	17,947	13,158	.	1,488	.	17,947
114 OH	Cleveland-Akron-Lorain	.	.	2	1	.	.	.	.	1,683	1,412	.	1,683
115 OH	Coshocton Co.	.	.	1	.	.	.	.	.	35	.	.	35
116 OH	Gallia Co.	.	.	1	.	.	.	.	.	31	.	.	31
117 OH	Jefferson Co.	.	.	1	1	.	.	.	.	80	4	.	80
118 OH	Lake Co.	.	.	1	.	.	.	.	.	215	.	.	215
119 OH	Lucas Co.	.	.	1	.	.	.	.	.	462	.	.	462
120 OH-KY	Cincinnati-Hamilton	1	.	.	.	.	.	1,705	.	.	.	.	1,705
121 OH-PA	Youngstown-Warren-Sharon	1(m)	.	.	.	.	.	121	.	.	.	.	121
122 OR	Grants Pass	.	1	.	1	.	.	17	.	17	.	.	17
123 OR	Klamath Falls	.	1	.	1	.	.	18	.	18	.	.	18
124 OR	Lakeview	.	.	.	1	.	.	.	.	3	.	.	3
125 OR	LaGrande	.	.	.	1	.	.	.	.	12	.	.	12
126 OR	Medford	.	1	.	1	.	.	.	62	.	63	.	63
127 OR	Oakridge	.	.	.	1	.	.	.	.	3	.	.	3
128 OR	Springfield-Eugene	.	.	.	1	.	.	.	.	157	.	.	157
129 OR-WA	Portland-Vancouver AQMA	1	2	.	.	.	.	1,107	1,172	.	.	.	1,172
130 PA	Altoona	1	.	.	.	.	.	131	.	.	.	.	131
131 PA	Conewango Twp. (in Warren Co, PA)	.	.	1	.	.	.	.	.	5	.	.	5
132 PA	Erie	1	.	.	.	.	.	276	.	.	.	.	276
133 PA	Harrisburg-Lebanon-Carlisle	1	.	.	.	.	.	588	.	.	.	.	588
134 PA	Johnstown	1	.	.	.	.	.	241	.	.	.	.	241
135 PA	Lancaster	1	.	.	.	.	.	423	.	.	.	.	423
136 PA	Pittsburgh-Beaver Valley	1	.	2	1	.	.	2,468	.	446	75	.	2,468
137 PA	Reading	1	.	.	.	.	.	337	.	.	.	.	337
138 PA	Scranton-Wilkes-Barre	1	.	.	.	.	.	734	.	.	.	.	734
139 PA	Warren-Pleas.-Glade (in Warren Co)	.	.	1	.	.	.	.	.	17	.	.	17
140 PA	York	1	.	.	.	.	.	418	.	.	.	.	418
141 PA-DE-NJ-MD	Philadelphia-Wilmington-Trenton	1	.	.	.	.	.	6,010	.	.	.	.	6,010
142 PA-NJ	Allentown-Bethlehem-Easton	1	.	1	.	.	.	687	.	92	.	.	687
143 PR	Guayanabo Co.	.	.	.	1	.	.	.	.	85	.	.	85
144 RI	Providence (all of RI)	1	.	.	.	.	.	1,003	.	.	.	.	1,003
145 TN	Benton Co.	.	.	1	.	.	.	.	.	15	.	.	15
146 TN	Humphreys Co.	.	.	1	.	.	.	.	.	16	.	.	16
147 TN	Shelby Co.	.	.	.	.	1(n)	.	.	.	.	826	.	826
148 TN	Nashville	1	.	.	.	1(o)	.	881	.	.	81	.	881
149 TN	Polk Co.	.	.	1	.	.	.	.	.	14	.	.	14
150 TX	Beaumont-Port Arthur	1	.	.	.	.	.	361	.	.	.	.	361
151 TX	Dallas-Fort Worth	1	.	.	.	.	1(p)	3,561	.	.	264	.	3,561
152 TX	El Paso	1	1	.	1	.	.	592	54	.	515	.	592
153 TX	Houston-Galveston-Brazoria	1	.	.	.	.	.	3,731	.	.	.	.	3,731
154 UT	Ogden	.	1	.	.	.	.	.	63	.	.	.	63
155 UT	Salt Lake City	1	.	1	1	.	.	914	.	726	726	.	914
156 UT	Tooele Co.	.	.	1	.	.	.	.	27	.	.	.	27
157 UT	Utah Co.	.	1	.	1	.	.	.	85	.	264	.	264
158 VA	Norfolk-Virg. Beach-Newport News	1	.	.	.	.	.	1,366	.	.	.	.	1,366
159 VA	Richmond	1	.	.	.	.	.	738	.	.	.	.	738
160 VA	Smyth Co. (White Top Mtn.)	1	.	.	.	.	.	.	.	.	.	.	-
161 WA	Olympia-Tumwater-Lacey	.	.	.	1	.	.	.	.	63	.	.	63
162 WA	Seattle-Tacoma	1	1	.	3	.	.	2,559	1,744	.	731	.	2,559
163 WA	Spokane	.	1	.	1	.	.	279	.	177	.	.	279
164 WA	Wallula	.	.	.	1	.	.	.	.	47	.	.	47
165 WA	Yakima	.	.	.	1	.	.	.	.	54	.	.	54

Table A-15. Condensed Nonattainment Areas List(a) (continued)

State	Area Name(b)	Pollutant(c)					Population(d)						
		O ₃	CO	SO ₂	PM-10	Pb	NO ₂	O ₃	CO	SO ₂	PM-10	Pb	All
166 WI	Door Co.	1	.	.	.	.	.	26	.	.	.	.	26
167 WI	Manitowoc Co.	1	.	.	.	.	.	80	.	.	.	.	80
168 WI	Marathon Co.	.	.	1	.	.	.	.	.	115	.	.	115
169 WI	Milwaukee-Racine	1	.	.	.	.	.	1,735	.	.	.	.	1,735
170 WI	Oneida Co.	.	.	1	.	.	.	.	.	32	.	.	32
171 WV	Follansbee	.	.	.	1	.	.	.	.	3	.	.	3
172 WV	New Manchester Gr. (in Hancock Co)	.	.	1	.	.	.	.	.	10	.	.	10
173 WV	Wier.-Butler-Clay (in Hancock Co)	.	.	1	1	.	.	.	.	25	22	.	25
174 WY	Sheridan	.	.	.	1	.	.	.	.	14	.	.	14
	Total	68	31	43	81	10	1	109,794	45,089	5,269	30,943	1,545	126,957

Notes

- (a) This is a condensed listing of Classified Nonattainment areas. Unclassified and transitional nonattainment areas are not included. In certain cases, footnotes are used to clarify the areas involved. For example, the lead nonattainment area listed within the Dallas-Fort Worth ozone nonattainment area is in Frisco, Texas, which is not in Dallas county, but is within the designated boundaries of the ozone nonattainment area. Readers interested in more detailed information should use the official Federal Register citation (40 CFR 81).
- (b) Names of nonattainment areas are listed alphabetically within each state. The largest city determines which state is listed first in the case of multiple-city nonattainment areas. When a larger nonattainment area, such as ozone, contains 1 or more smaller nonattainment areas, such as PM-10 or lead, the common name for the larger nonattainment area is used. Note that several smaller nonattainment areas may be inside one larger nonattainment area, as is the case in Figure A-1. For the purpose of this table, these are considered one nonattainment area and are listed on one line. Occasionally, two nonattainment areas may only partially overlap, as in Figure A-2. These are counted as two distinct nonattainment areas and are listed on separate lines.
- (c) The number of nonattainment areas for each of the criteria pollutants is listed.
- (d) Population figures were obtained from 1990 census data. For nonattainment areas defined as only partial counties, population figures for just the nonattainment area were used when these were available. Otherwise, whole county population figures were used. When a larger nonattainment area encompasses a smaller one, double-counting the population in the All column is avoided by only counting the population of the larger nonattainment area.
- (e) NO₂ population same as O₃ and CO.
- (f) Carbon monoxide nonattainment area includes San Francisco county, and parts of Alameda, Contra Costa, Marin, Napa, San Mateo, Santa Clara, Solano, Sonoma counties.
- (g) Lead nonattainment area is a portion of Franklin township, Marion county, Indiana.
- (h) Sulfur dioxide nonattainment area is a portion of Boyd county.
- (i) PM-10 nonattainment area is Granite City, Illinois, in Madison county.
- (j) Lead nonattainment area is Herculaneum, Missouri in Jefferson county.
- (k) Lead nonattainment area is a portion of Lewis and Clark county, Montana.
- (l) Ozone nonattainment area is a portion of Dona Ana county, New Mexico.
- (m) Youngstown has been redesignated for ozone but not the rest of the MSA and the population has been adjusted accordingly.
- (n) Lead nonattainment area is a portion of Shelby county, Tennessee.
- (o) Lead nonattainment area is a portion of Williamson county, Tennessee.
- (p) Lead nonattainment area is Frisco, Texas, in Collin county.

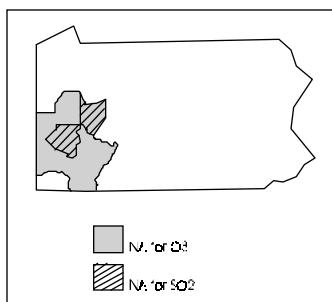


Figure A-1. (Multiple NA areas within a larger NA area) Two SO₂ areas inside the Pittsburgh-Beaver Valley ozone NA. Counted as one NA area.

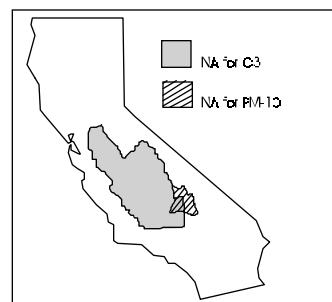


Figure A-2. (Overlapping NA areas) Searles Valley PM-10 NA partially overlaps the San Joaquin Valley ozone NA. Counted as two NA areas.

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
ABILENE, TX	119,655	ND	ND	ND	ND	ND	ND	ND	ND
AGUADILLA, PR	128,172	ND	ND	ND	ND	ND	ND	ND	ND
AKRON, OH	657,575	4	0.03	ND	0.12	26	71	0.009	0.046
ALBANY, GA	112,561	ND	ND	ND	ND	ND	ND	0.001	0.006
ALBANY-SCHENECTADY-TROY, NY	861,424	4	0.04	0.014	0.11	22	52	0.005	0.023
ALBUQUERQUE, NM	589,131	8	ND	0.018	0.10	36	112	ND	ND
ALEXANDRIA, LA	131,556	ND	ND	ND	ND	21	45	ND	ND
ALLENTOWN-BETHLEHEM-EASTON, PA	595,081	5	0.07	0.023	0.12	23	70	0.010	0.028
ALTOONA, PA	130,542	2	ND	0.013	0.11	IN	70	0.008	0.037
AMARILLO, TX	187,547	ND	ND	ND	ND	IN	35	ND	ND
ANCHORAGE, AK	226,338	8	ND	ND	ND	39	192	ND	ND
ANN ARBOR, MI	490,058	ND	ND	ND	0.11	ND	ND	ND	ND
ANNISTON, AL	116,034	ND	ND	ND	ND	23	62	ND	ND
APPLETON-OSHKOSH-NEENAH, WI	315,121	ND	ND	ND	0.11	ND	ND	ND	ND
ARECIBO, PR	155,005	ND	ND	ND	ND	ND	ND	ND	ND
ASHEVILLE, NC	191,774	ND	ND	ND	0.09	25	71	ND	ND
ATHENS, GA	126,262	ND	ND	ND	ND	ND	ND	ND	ND
ATLANTA, GA	2,959,950	5	0.07	0.019	0.15	33	58	0.004	0.021
ATLANTIC-CAPE MAY, NJ	319,416	5	0.03	ND	0.12	32	66	0.003	0.011
AUGUSTA-AIKEN, GA-SC	415,184	ND	0.01	ND	0.12	IN	40	ND	ND
AURORA-ELGIN, IL	356,884	ND	ND	ND	ND	ND	ND	ND	ND
AUSTIN-SAN MARCOS, TX	846,227	4	ND	0.021	0.11	23	41	ND	ND
BAKERSFIELD, CA	543,477	5	0.00	0.029	0.17	58	160	0.003	0.011
BALTIMORE, MD	2,382,172	6	0.03	0.026	0.15	32	73	0.008	0.023
BANGOR, ME	91,629	ND	ND	ND	0.10	20	51	ND	ND
BARNSTABLE-YARMOUTH, MA	134,954	ND	ND	ND	ND	ND	ND	ND	ND
BATON ROUGE, LA	528,264	4	0.13	0.018	0.13	26	56	0.006	0.034
BEAUMONT-PORT ARTHUR, TX	361,226	2	0.02	0.010	0.15	20	56	0.006	0.031
BELLINGHAM, WA	127,780	ND	ND	ND	0.08	16	43	0.006	0.018
BENTON HARBOR, MI	161,378	ND	ND	ND	0.12	ND	ND	ND	ND
BERGEN-PASSAIC, NJ	1,278,440	5	0.03	0.029	0.12	35	78	0.006	0.030
BILLINGS, MT	113,419	7	ND	ND	ND	20	35	0.015	0.079
BILOXI-GULFPORT-PASCAGOULA, MS	312,368	ND	ND	ND	0.11	19	35	0.003	0.024
BINGHAMTON, NY	264,497	ND	ND	ND	ND	19	43	ND	ND
BIRMINGHAM, AL	840,140	7	0.09	0.011	0.13	34	95	0.006	0.016
BISMARCK, ND	83,831	ND	ND	ND	ND	IN	36	IN	0.027
BLOOMINGTON, IN	108,978	ND	ND	ND	ND	ND	ND	ND	ND
BLOOMINGTON-NORMAL, IL	129,180	ND	ND	ND	ND	ND	ND	ND	ND
BOISE CITY, ID	295,851	6	ND	ND	ND	40	95	ND	ND
BOSTON, MA-NH	3,227,707	4	0.01	0.031	0.12	26	58	0.007	0.040
BOULDER-LONGMONT, CO	225,339	5	ND	ND	0.10	20	61	ND	ND
BRAZORIA, TX	191,707	ND	ND	ND	0.15	ND	ND	ND	ND
BREMERTON, WA	189,731	5	ND	ND	ND	21	65	ND	ND
BRIDGEPORT, CT	443,722	5	0.02	0.024	0.14	29	64	0.007	0.034
BROCKTON, MA	236,409	ND	ND	ND	0.13	ND	ND	ND	ND
BROWNSVILLE-HARLINGEN-SAN BENITO, TX	260,120	3	ND	ND	0.08	24	49	0.001	0.003
BRYAN-COLLEGE STATION, TX	121,862	ND	ND	ND	ND	ND	ND	ND	ND
BUFFALO-NIAGARA FALLS, NY	1,189,288	3	0.04	0.021	0.11	20	48	0.009	0.051
BURLINGTON, VT	151,506	3	ND	0.017	ND	21	45	0.002	0.006
CAGUAS, PR	279,501	ND	ND	ND	ND	ND	ND	ND	ND
CANTON-MASSILLION, OH	394,106	3	ND	ND	0.12	31	66	0.006	0.032
CASPER, WY	61,226	ND	ND	ND	ND	19	42	ND	ND

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb OMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
CEDAR RAPIDS, IA	168,767	3	ND	ND	0.08	26	62	0.005	0.044
CHAMPAIGN-URBANA, IL	173,025	ND	ND	ND	0.10	22	50	0.003	0.011
CHARLESTON-NORTH CHARLESTON, SC	506,875	6	0.01	0.011	0.09	22	55	0.003	0.019
CHARLESTON, WV	250,454	2	0.02	0.020	0.11	26	57	0.008	0.025
CHARLOTTE-GASTONIA-ROCK HILL, NC-SC	1,162,093	5	0.01	0.016	0.12	31	58	0.004	0.016
CHARLOTTESVILLE, VA	131,107	ND	ND	ND	ND	23	53	ND	ND
CHATTANOOGA, TN-GA	424,347	ND	ND	ND	0.11	32	59	ND	ND
CHEYENNE, WY	73,142	ND	ND	ND	ND	IN	36	ND	ND
CHICAGO, IL	7,410,858	5	0.99(a)	0.032	0.14	39	112	0.009	0.039
CHICO-PARADISE, CA	182,120	5	0.00	0.014	0.09	26	60	ND	ND
CINCINNATI, OH-KY-IN	1,526,092	4	0.06	0.024	0.13	34	82	0.007	0.027
CLARKSVILLE-HOPKINSVILLE, TN-KY	169,439	2	ND	0.010	0.10	IN	64	0.006	0.025
CLEVELAND-LORAIN-ELYRIA, OH	2,202,069	8	1.63(b)	0.027	0.12	52	173	0.011	0.050
COLORADO SPRINGS, CO	397,014	6	0.01	ND	0.08	27	72	ND	ND
COLUMBIA, MO	112,379	ND	ND	ND	ND	ND	ND	ND	ND
COLUMBIA, SC	453,331	4	0.01	0.013	0.11	43	137	0.002	0.015
COLUMBUS, GA-AL	260,860	ND	0.78(c)	ND	0.11	28	54	ND	ND
COLUMBUS, OH	1,345,450	5	0.14	ND	0.12	31	83	0.004	0.019
CORPUS CHRISTI, TX	349,894	ND	ND	ND	0.13	26	56	0.002	0.022
CUMBERLAND, MD-WV	101,643	ND	ND	ND	ND	27	56	0.004	0.015
DALLAS, TX	2,676,248	6	0.69(d)	0.023	0.15	35	81	0.004	0.031
DANBURY, CT	193,597	ND	ND	ND	0.13	IN	52	0.004	0.019
DANVILLE, VA	108,711	ND	ND	ND	ND	ND	ND	ND	ND
DAVENPORT-MOLINE-ROCK ISLAND, IA-IL	350,861	ND	0.01	ND	0.10	24	157	0.006	0.022
DAYTON-SPRINGFIELD, OH	951,270	4	0.05	ND	0.12	28	64	0.004	0.017
DAYTONA BEACH, FL	399,413	ND	ND	ND	0.09	21	38	ND	ND
DECATUR, AL	131,556	ND	ND	ND	0.10	25	52	ND	ND
DECATUR, IL	117,206	ND	0.03	ND	0.10	30	58	0.005	0.024
DENVER, CO	1,622,980	10	0.09	0.035	0.10	33	97	0.005	0.019
DES MOINES, IA	392,928	6	ND	ND	0.09	IN	97	ND	ND
DETROIT, MI	4,266,654	7	0.11	0.022	0.14	42	159	0.011	0.048
DOOTHAN, AL	130,964	ND	ND	ND	ND	28	56	ND	ND
DOVER, DE	110,993	ND	ND	ND	0.14	ND	ND	ND	ND
DUBUQUE, IA	86,403	ND	ND	ND	ND	ND	ND	0.006	0.027
DULUTH-SUPERIOR, MN-WI	239,971	ND	ND	ND	ND	21	50	ND	ND
DUTCHESS COUNTY, NY	259,462	ND	ND	ND	0.12	ND	ND	ND	ND
EAU CLAIRE, WI	137,543	ND	ND	ND	ND	ND	ND	ND	ND
EL PASO, TX	591,610	8	0.19	0.034	0.13	47	138	0.010	0.054
ELKHART-GOSHEN, IN	156,198	ND	ND	ND	0.10	ND	ND	ND	ND
ELMIRA, NY	95,195	ND	ND	ND	0.09	18	43	0.004	0.014
ENID, OK	56,735	ND	ND	ND	ND	ND	ND	ND	ND
ERIE, PA	275,572	3	ND	0.015	0.11	IN	94	0.009	0.050
EUGENE-SPRINGFIELD, OR	282,912	5	0.02	ND	0.09	22	135	ND	ND
EVANSVILLE-HENDERSON, IN-KY	278,990	4	ND	0.017	0.12	34	79	0.015	0.061
FARGO-MOORHEAD, ND-MN	153,296	ND	ND	IN	0.04	IN	46	IN	0.007
FAYETTEVILLE, NC	274,566	5	ND	ND	0.10	23	38	ND	ND
FAYETTEVILLE-SPRINGDALE-ROGERS, AR	259,462	ND	ND	ND	ND	24	46	ND	ND
FITCHBURG-LEOMINSTER, MA	138,165	ND	ND	ND	ND	ND	ND	ND	ND
FLAGSTAFF, AZ-UT	101,760	ND	ND	ND	0.08	IN	32	ND	ND
FLINT, MI	430,459	ND	0.01	ND	0.10	IN	46	0.003	0.016
FLORENCE, AL	131,327	ND	ND	ND	0.08	22	49	0.003	0.018
FLORENCE, SC	114,344	ND	ND	ND	ND	ND	ND	ND	ND

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
FORT COLLINS-LOVELAND, CO	186,136	5	ND	ND	0.08	22	47	ND	ND
FORT LAUDERDALE, FL	1,255,488	7	0.02	0.011	0.10	20	48	0.002	0.008
FORT MYERS-CAPE CORAL, FL	335,113	ND	ND	ND	0.09	16	30	ND	ND
FORT PIERCE-PORT ST. LUCIE, FL	251,071	ND	ND	ND	0.07	ND	ND	ND	ND
FORT SMITH, AR-OK	175,911	ND	ND	ND	ND	26	56	ND	ND
FORT WALTON BEACH, FL	143,776	ND	ND	ND	ND	ND	ND	ND	ND
FORT WAYNE, IN	456,281	5	0.04	ND	0.11	28	101	ND	ND
FORT WORTH-ARLINGTON, TX	1,361,034	3	0.04	0.017	0.14	27	60	0.001	0.004
FRESNO, CA	755,580	8	0.00	0.023	0.15	49	120	0.004	0.010
GADSDEN, AL	99,840	ND	0.06	ND	ND	30	63	ND	ND
GAINESVILLE, FL	181,596	ND	ND	ND	ND	20	38	ND	ND
GALVESTON-TEXAS CITY, TX	217,399	ND	0.03	ND	0.20	28	78	0.006	0.089
GARY, IN	604,526	4	0.19	0.023	0.12	36	157	0.008	0.039
GLENS FALLS, NY	118,539	ND	ND	ND	ND	18	39	0.003	0.011
GOLDSBORO, NC	104,666	ND	ND	ND	ND	20	34	ND	ND
GRAND FORKS, ND-MN	103,181	ND	ND	ND	ND	18	40	ND	ND
GRAND JUNCTION, CO	93,145	5	ND	ND	ND	22	48	ND	ND
GRAND RAPIDS-MUSKEGON-HOLLAND, MI	937,891	5	0.01	IN	0.15	22	54	0.002	0.011
GREAT FALLS, MT	77,691	6	ND	ND	ND	IN	52	0.003	0.016
GREELEY, CO	131,821	5	ND	ND	0.09	IN	59	ND	ND
GREEN BAY, WI	194,594	ND	ND	ND	0.11	ND	ND	0.004	0.018
GREENSBORO-WINSTON-SALEM-HIGH POINT	1,050,304	6	ND	0.016	0.12	28	66	0.006	0.025
GREENVILLE, NC	107,924	ND	ND	ND	0.10	19	35	ND	ND
GREENVILLE-SPARTANBURG-ANDERSON, SC	830,563	5	0.03	0.017	0.12	38	94	0.001	0.007
HAGERSTOWN, MD	121,393	ND	ND	ND	ND	IN	53	ND	ND
HAMILTON-MIDDLETOWN, OH	291,479	ND	0.10	ND	0.13	39	99	0.006	0.020
HARRISBURG-LEBANON-CARLISLE, PA	587,986	3	0.04	0.020	0.11	22	67	0.005	0.020
HARTFORD, CT	1,157,585	7	0.03	0.017	0.15	20	45	0.005	0.023
HATTIESBURG, MS	98,738	ND	ND	ND	ND	ND	ND	ND	ND
HICKORY-MORGANTON-LENOIR, NC	292,409	ND	ND	ND	0.10	23	51	IN	0.005
HONOLULU, HI	836,231	3	0.01	0.004	0.06	21	45	0.001	0.009
HOUMA, LA	182,842	ND	ND	ND	0.14	ND	ND	ND	ND
HOUSTON, TX	3,322,025	5	0.02	0.026	0.20	42	92	0.006	0.053
HUNTINGTON-ASHLAND, WV-KY-OH	312,529	4	0.04	0.016	0.12	38	79	0.012	0.058
HUNTSVILLE, AL	293,047	4	ND	ND	0.10	23	61	ND	ND
INDIANAPOLIS, IN	1,380,491	4	0.94(e)	0.020	0.13	38	79	0.008	0.042
IOWA CITY, IA	96,119	ND	ND	ND	ND	ND	ND	ND	ND
JACKSON, MI	149,756	ND	ND	ND	ND	ND	ND	ND	ND
JACKSON, MS	395,396	4	0.09	ND	0.09	23	68	0.002	0.007
JACKSON, TN	77,982	ND	ND	0.011	0.06	IN	51	IN	0.024
JACKSONVILLE, FL	906,727	5	0.03	0.016	0.12	29	61	0.006	0.056
JACKSONVILLE, NC	149,838	ND	ND	ND	ND	20	38	ND	ND
JAMESTOWN, NY	141,895	ND	ND	ND	0.10	17	48	0.005	0.044
JANESVILLE-BELOIT, WI	139,510	ND	ND	ND	0.10	ND	ND	ND	ND
JERSEY CITY, NJ	553,099	8	0.05	0.026	0.13	23	87	0.008	0.029
JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA	436,047	3	0.18	0.018	0.11	30	59	0.010	0.041
JOHNSTOWN, PA	241,247	4	0.06	0.015	0.10	27	61	0.012	0.042
JOPLIN, MO	134,910	ND	ND	ND	ND	ND	ND	ND	ND
KALAMAZOO-BATTLE CREEK, MI	429,453	2	0.01	0.014	0.11	26	55	0.004	0.016
KANKAKEE, IL	96,255	ND	ND	ND	ND	ND	ND	ND	ND
KANSAS CITY, MO-KS	1,582,875	5	0.03	0.020	0.13	37	104	0.005	0.023
KENOSHA, WI	128,181	ND	ND	ND	0.13	ND	ND	ND	ND

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb OMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
KILLEEN-TEMPLE, TX	255,301	ND	ND	ND	ND	18	42	ND	ND
KNOXVILLE, TN	585,960	4	ND	ND	0.12	37	64	0.010	0.053
KOKOMO, IN	96946	ND	ND	ND	ND	ND	ND	ND	ND
LA CROSSE, WI-MN	116,401	ND	ND	ND	ND	ND	ND	ND	ND
LAFAYETTE, LA	344,853	ND	ND	ND	0.11	21	47	ND	ND
LAFAYETTE, IN	161,572	1	ND	0.015	0.10	IN	63	0.006	0.026
LAKE CHARLES, LA	168,134	ND	ND	0.006	0.11	23	54	0.005	0.018
LAKELAND-WINTER HAVEN, FL	405,382	ND	ND	ND	0.09	21	40	0.004	0.015
LANCASTER, PA	422,822	2	0.04	0.016	0.12	33	73	0.006	0.018
LANSING-EAST LANSING, MI	432,674	ND	ND	ND	0.10	ND	ND	ND	ND
LAREDO, TX	133,239	ND	ND	ND	ND	IN	55	ND	ND
LAS CRUCES, NM	135,510	4	0.10	IN	0.14	57	272	0.007	0.036
LAS VEGAS, NV-AZ	852,737	9	ND	0.027	0.09	46	177	ND	ND
LAWRENCE, KS	81,798	ND	ND	ND	ND	ND	ND	ND	ND
LAWRENCE, MA-NH	353,232	ND	0.00	ND	0.08	13	28	0.007	0.033
LAWTON, OK	111,486	3	ND	0.008	0.09	25	52	ND	ND
LEWISTON-AUBURN, ME	93,679	ND	ND	ND	ND	IN	46	0.004	0.024
LEXINGTON, KY	405,936	3	0.06	0.017	0.11	29	68	0.006	0.016
LIMA, OH	154,340	ND	ND	ND	0.11	27	47	0.003	0.015
LINCOLN, NE	213,641	6	ND	ND	0.07	25	54	ND	ND
LITTLE ROCK-NORTH LITTLE ROCK, AR	513,117	4	ND	0.011	0.11	34	67	0.002	0.008
LONGVIEW-MARSHALL, TX	193,801	ND	ND	ND	0.15	ND	ND	ND	ND
LOS ANGELES-LONG BEACH, CA	8,863,164	12	0.06	0.046	0.21	50	156	0.004	0.012
LOUISVILLE, KY-IN	948,829	6	0.06	0.022	0.13	33	70	0.014	0.040
LOWELL, MA-NH	280,578	8	ND	ND	ND	ND	ND	ND	ND
LUBBOCK, TX	222,636	ND	ND	ND	ND	22	149	ND	ND
LYNCHBURG, VA	193,928	ND	ND	ND	ND	24	54	ND	ND
MACON, GA	290,909	ND	ND	ND	ND	ND	ND	ND	ND
MADISON, WI	367,085	5	ND	ND	0.10	23	55	0.003	0.018
MANSFIELD, OH	174,007	ND	ND	ND	ND	25	61	ND	ND
MAYAGUEZ, PR	237,143	ND	ND	ND	ND	ND	ND	ND	ND
MCALLEN-EDINBURG-MISSION, TX	383,545	ND	ND	ND	ND	ND	ND	ND	ND
MEDFORD-ASHLAND, OR	146,389	6	0.02	ND	0.09	31	76	ND	ND
MELBOURNE-TITUSVILLE-PALM BAY, FL	398,978	ND	ND	ND	0.08	16	30	ND	ND
MEMPHIS, TN-AR-MS	1,007,306	7	1.53(f)	0.027	0.14	30	72	0.005	0.019
MERCED, CA	178,403	ND	ND	0.012	0.13	39	89	ND	ND
MIAMI, FL	1,937,094	5	0.01	0.015	0.11	IN	54	0.002	0.004
MIDDLESEX-SOMERSET-HUNTERDON, NJ	1,019,835	5	0.07	0.019	0.15	22	51	0.004	0.018
MILWAUKEE-WAUKESHA, WI	1,432,149	4	0.05	0.024	0.13	28	72	0.004	0.025
MINNEAPOLIS-ST. PAUL, MN-WI	2,538,834	7	ND	0.019	0.11	IN	88	0.005	0.037
MOBILE, AL	476,923	ND	ND	ND	0.11	34	67	0.009	0.053
MODESTO, CA	370,522	5	0.00	0.022	0.13	42	111	ND	ND
MONMOUTH-OCEAN, NJ	986,327	4	ND	ND	0.15	ND	ND	ND	ND
MONROE, LA	142,191	ND	ND	ND	0.10	36	111	0.002	0.007
MONTGOMERY, AL	292,517	1	ND	0.011	0.10	26	58	IN	0.018
MUNCIE, IN	119,659	ND	1.20(g)	ND	ND	ND	ND	ND	ND
MYRTLE BEACH, SC	144,053	ND	ND	ND	ND	ND	ND	ND	ND
NAPLES, FL	152,099	ND	ND	ND	ND	16	34	ND	ND
NASHUA, NH	168,233	8	ND	0.013	0.11	IN	36	0.006	0.031
NASHVILLE, TN	985,026	7	3.10(h)	0.014	0.12	35	70	0.005	0.030
NASSAU-SUFFOLK, NY	2,609,212	5	ND	0.025	0.15	20	63	0.006	0.029
NEW BEDFORD, MA	175,641	ND	ND	ND	0.14	14	28	ND	ND

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
NEW HAVEN-MERIDEN, CT	530,180	4	0.06	0.025	0.17	26	76	0.008	0.038
NEW LONDON-NORWICH, CT-RI	290,734	ND	ND	ND	0.14	17	47	0.005	0.018
NEW ORLEANS, LA	1,285,270	4	0.41	0.021	0.13	29	66	0.007	0.022
NEW YORK, NY	8,546,846	8	0.13	0.042	0.13	51	93	0.015	0.053
NEWARK, NJ	1,915,928	8	0.23	0.039	0.13	35	77	0.007	0.028
NEWBURGH, NY-PA	335,613	ND	0.11	ND	0.12	ND	ND	ND	ND
NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA	1,443,244	5	0.03	0.018	0.11	22	43	0.007	0.028
OAKLAND, CA	2,082,914	4	0.05	0.021	0.15	23	72	0.003	0.008
OCALA, FL	194,833	ND	ND	ND	ND	ND	ND	ND	ND
ODESSA-MIDLAND, TX	255,545	ND	ND	ND	ND	IN	38	ND	ND
OKLAHOMA CITY, OK	958,839	7	0.02	0.014	0.12	28	77	0.002	0.006
OLYMPIA, WA	161,238	6	ND	ND	ND	IN	65	ND	ND
OMAHA, NE-IA	639,580	8	6.57(i)	ND	0.09	34	115	0.003	0.042
ORANGE COUNTY, CA	2,410,556	7	0.04	0.039	0.13	44	144	0.003	0.005
ORLANDO, FL	1,224,852	4	0.00	0.010	0.10	25	41	0.001	0.006
OWENSBORO, KY	87,189	4	ND	0.013	0.11	29	79	0.007	0.028
PANAMA CITY, FL	126,994	ND	ND	ND	ND	24	58	ND	ND
PARKERSBURG-MARIETTA, WV-OH	149,169	ND	0.02	ND	0.12	IN	56	0.010	0.041
PENSACOLA, FL	344,406	ND	ND	ND	0.12	23	54	0.003	0.027
PEORIA-PEKI, IL	339,172	6	0.03	ND	0.10	23	52	0.008	0.110
PHILADELPHIA, PA-NJ	4,922,175	6	10.2(j)	0.032	0.14	75	295	0.010	0.040
PHOENIX-MESA, AZ	2,238,480	10	0.06	0.033	0.13	44	160	0.004	0.020
PINE BLUFF, AR	85,487	ND	ND	ND	ND	26	62	ND	ND
PITTSBURGH, PA	2,384,811	6	0.10	0.032	0.14	42	193	0.017	0.085
PITTSFIELD, MA	88,695	ND	ND	ND	0.09	ND	ND	ND	ND
PONCE, PR	3,442,660	ND	ND	ND	ND	24	57	ND	ND
PORTLAND, ME	221,095	ND	ND	0.005	0.12	34	86	0.006	0.022
PORTLAND-VANCOUVER, OR-WA	1,515,452	7	0.28	IN	0.11	29	58	IN	0.011
PORTSMOUTH-ROCHESTER, NH-ME	223,271	ND	ND	0.012	0.13	IN	37	0.004	0.018
PROVIDENCE-FALL RIVER-WARWICK, RI-MA	1,134,350	7	ND	0.022	0.14	31	76	0.007	0.028
PROVO-OREM, UT	263,590	7	ND	0.023	0.10	32	103	ND	ND
PUEBLO, CO	123,051	ND	ND	ND	ND	IN	86	ND	ND
PUNTA GORDA, FL	110,975	ND	ND	ND	ND	ND	ND	ND	ND
RACINE, WI	175,034	4	ND	ND	0.11	ND	ND	ND	ND
RALEIGH-DURHAM-CHAPEL HILL, NC	855,545	7	ND	0.011	0.11	24	51	0.003	0.008
RAPID CITY, SD	81,343	ND	ND	ND	ND	39	115	ND	ND
READING, PA	336,523	4	0.73(k)	0.021	0.12	26	54	0.009	0.033
REDDING, CA	147,036	ND	ND	ND	0.10	20	47	ND	ND
RENO, NV	254,667	6	ND	ND	0.08	47	94	ND	ND
RICHLAND-KENNEWICK-PASCO, WA	150,033	ND	ND	ND	ND	IN	64	ND	ND
RICHMOND-PETERSBURG, VA	865,640	3	ND	0.022	0.12	26	55	0.005	0.023
RIVERSIDE-SAN BERNARDINO, CA	2,588,793	6	0.04	0.046	0.23	69	236	0.003	0.008
ROANOKE, VA	224,477	5	ND	0.013	0.09	40	88	0.003	0.010
ROCHESTER, MN	106,470	ND	ND	ND	ND	IN	49	ND	ND
ROCHESTER, NY	1,062,470	3	0.04	ND	0.11	24	53	0.011	0.049
ROCKFORD, IL	329,676	5	0.03	ND	0.10	19	45	ND	ND
ROCKY MOUNT, NC	133,235	ND	ND	ND	ND	23	48	ND	ND
SACRAMENTO, CA	1,340,010	7	0.03	0.022	0.15	28	80	0.001	0.005
SAGINAW-BAY CITY-MIDLAND, MI	399,320	ND	ND	ND	ND	IN	26	ND	ND
ST. CLOUD, MN	190,921	4	ND	ND	ND	ND	ND	ND	ND
ST. JOSEPH, MO	83,083	ND	ND	ND	ND	33	101	0.004	0.043
ST. LOUIS, MO-IL	1,836,302	5	6.54(l)	0.026	0.14	46	106	0.012	0.083

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb OMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
SALEM, OR	278,024	6	ND	ND	ND	ND	ND	ND	ND
SALINA, CA	355,660	2	ND	0.011	0.08	21	47	ND	ND
SALT LAKE CITY-OGDEN, UT	1,072,227	7	0.06	0.024	0.12	45	129	0.005	0.034
SAN ANGELO, TX	98,458	ND	ND	ND	ND	ND	ND	ND	ND
SAN ANTONIO, TX	1,324,749	4	0.03	ND	0.12	22	42	ND	ND
SAN DIEGO, CA	2,498,016	6	0.03	0.026	0.14	47	118	0.004	0.015
SAN FRANCISCO, CA	1,603,678	5	0.01	0.021	0.12	IN	48	0.002	0.005
SAN JOSE, CA	9,771,577	6	0.02	0.027	0.14	24	62	ND	ND
SAN JUAN-BAYAMON, PR	1,836,302	6	ND	ND	ND	32	69	0.008	0.052
SAN LUIS OBISPO-ATASCADERO-PASO ROBLE	217,162	2	ND	0.013	0.10	23	97	0.006	0.029
SANTA BARBARA-SANTA MARIA-LOMPOC, CA	369,608	5	0.00	0.021	0.13	31	64	0.002	0.005
SANTA CRUZ-WATSONVILLE, CA	229,734	1	ND	0.005	0.09	36	85	0.001	0.008
SANTA FE, NM	117,043	2	ND	ND	ND	13	34	ND	ND
SANTA ROSA, CA	388,222	2	ND	0.015	0.09	IN	46	ND	ND
SARASOTA-BRADENTON, FL	489,483	6	ND	ND	0.10	26	60	0.002	0.012
SAVANNAH, GA	258,060	ND	ND	ND	0.09	ND	ND	0.006	0.023
SCRANTON-WILKES-BARRE-HAZLETON, PA	638,466	3	ND	0.018	0.11	26	76	0.005	0.045
SEATTLE-BELLEVUE-EVERETT, WA	2,033,156	7	0.51	0.019	0.10	29	117	0.006	0.020
SHARON, PA	121,003	ND	0.05	ND	0.11	IN	72	0.008	0.032
SHEBOYGAN, WI	103,877	ND	ND	ND	0.12	ND	ND	ND	ND
SHERMAN-DENISON, TX	95,021	ND	ND	ND	ND	ND	ND	ND	ND
SHREVEPORT-BOSSIER CITY, LA	376,330	ND	ND	ND	0.10	24	52	0.001	0.004
SIOUX CITY, IA-NE	115,018	ND	ND	ND	ND	IN	62	ND	ND
SIOUX FALLS, SD	139,236	ND	ND	ND	ND	24	54	ND	ND
SOUTH BEND, IN	247,052	3	ND	0.011	0.11	23	54	ND	ND
SPOKANE, WA	361,364	11	ND	ND	0.08	28	103	ND	ND
SPRINGFIELD, IL	189,550	3	ND	ND	0.10	21	43	0.006	0.062
SPRINGFIELD, MO	264,346	4	ND	0.012	0.11	30	140	0.004	0.082
SPRINGFIELD, MA	587,884	8	0.01	0.022	0.13	27	52	0.006	0.031
STAMFORD-NORWALK, CT	329,935	5	ND	ND	0.14	18	76	0.011	0.032
STATE COLLEGE, PA	123,786	ND	ND	ND	ND	ND	ND	ND	ND
STEUBENVILLE-WEIRTON, OH-WV	142,523	7	0.05	0.020	0.12	40	161	0.013	0.131
STOCKTON-LODI, CA	480,628	5	0.00	0.022	0.13	IN	127	ND	ND
SUMTER, SC	102,637	ND	ND	ND	ND	ND	ND	ND	ND
SYRACUSE, NY	742,177	3	ND	ND	0.10	24	59	0.004	0.016
TACOMA, WA	586,203	6	ND	ND	0.09	27	94	0.006	0.020
TALLAHASSEE, FL	233,598	ND	ND	ND	0.10	ND	ND	ND	ND
TAMPA-ST. PETERSBURG-CLEARWATER, FL	2,067,959	5	2.25(m)	0.012	0.11	31	77	0.008	0.061
TERRE HAUTE, IN	147,585	3	ND	ND	0.10	31	68	0.010	0.035
TEXARKANA, TX-TEXARKANA, AR	120,132	ND	ND	ND	ND	26	55	ND	ND
TOLEDO, OH	614,128	3	0.43	ND	0.11	25	68	0.004	0.025
TOPEKA, KS	160,976	ND	0.01	ND	ND	IN	65	ND	ND
TRENTON, NJ	325,824	ND	ND	0.016	0.13	24	45	ND	ND
TUSCON, AZ	666,880	6	0.02	0.020	0.11	41	106	0.001	0.004
TULSA, OK	708,954	4	0.09	0.016	0.12	23	70	0.008	0.045
TUSCALOOSA, AL	150,522	ND	ND	ND	ND	27	63	ND	ND
TYLER, TX	151,309	ND	ND	ND	0.11	20	51	ND	ND
UTICA-ROME, NY	316,633	ND	ND	ND	0.10	19	42	0.001	0.008
VALLEJO-FAIRFIELD-NAPA, CA	451,186	5	ND	0.015	0.11	19	51	0.003	0.007
VENTURA, CA	669,016	4	0.00	0.024	0.16	31	73	0.001	0.003
VICTORIA, TX	74,361	ND	ND	ND	0.10	ND	ND	ND	ND
VINELAND-MILLVILLE-BRIDGETON, NJ	138,053	ND	ND	ND	0.13	ND	ND	0.004	0.016

Table A-16. Maximum Air Quality Concentrations by Metropolitan Statistical Area, 1995 (continued)

Metropolitan Statistical Area	1990 Population	CO 8-hr (ppm)	Pb QMAX (ugm)	NO ₂ AM (ppm)	O ₃ 2nd MAX (ppm)	PM-10 WTD AM (ugm)	PM-10 2nd MAX (ugm)	SO ₂ AM (ppm)	SO ₂ 24-hr (ppm)
VISALIA-TULARE-PORTERVILLE, CA	311,921	4	ND	0.023	0.13	54	120	ND	ND
WACO, TX	189,123	ND	ND	ND	ND	ND	ND	ND	ND
WASHINGTON, DC-MD-VA-WV	4,223,485	6	0.03	0.026	0.13	23	74	0.009	0.023
WATERBURY, CT	221,629	ND	0.04	ND	ND	24	58	0.005	0.019
WATERLOO-CEDAR FALLS, IA	123,798	ND	ND	ND	ND	36	71	ND	ND
WAUSAU, WI	115,400	ND	ND	ND	0.09	29	82	0.003	0.022
WEST PALM BEACH-BOCA RATON, FL	863,518	4	0.00	0.012	0.09	17	37	0.002	0.019
WHEELING, WV-OH	159,301	5	ND	ND	0.10	30	78	0.014	0.075
WICHITA, KS	485,270	6	0.02	ND	0.10	34	102	0.004	0.006
WICHITA FALLS, TX	130,351	ND	ND	ND	ND	20	57	ND	ND
WILLIAMSPORT, PA	118,710	ND	ND	ND	0.09	28	59	0.006	0.027
WILMINGTON-NEWARK, DE-MD	513,293	5	ND	0.017	0.15	29	76	0.013	0.098
WILMINGTON, NC	171,269	ND	ND	ND	ND	IN	38	0.009	0.063
WORCESTER, MA-CT	478,384	4	ND	0.021	0.12	IN	39	0.006	0.023
YAKIMA, WA	188,823	7	ND	ND	ND	21	72	ND	ND
YOLO, CA	141,092	3	ND	ND	0.11	30	120	ND	ND
YORK, PA	339,574	3	0.04	0.021	0.10	30	66	0.006	0.019
YOUNGSTOWN-WARREN, OH	600,859	ND	ND	0.020	0.11	36	130	0.012	0.040
YUBA CITY, CA	122,643	4	ND	0.014	0.11	23	110	ND	ND
YUMA, AZ	106,895	ND	ND	ND	0.09	ND	ND	ND	ND

CO = Highest second maximum non-overlapping 8-hour concentration (*Applicable NAAQS is 9 ppm*)

Pb = Highest quarterly maximum concentration (*Applicable NAAQS is 1.5 ug/m³*)

NO₂ = Highest arithmetic mean concentration (*Applicable NAAQS is 0.053 ppm*)

O₃ = Highest second daily maximum 1-hour concentration (*Applicable NAAQS is 0.12 ppm*)

PM-10 = Highest weighted annual mean concentration (*Applicable NAAQS is 50 ug/m³*)

Data from exceptional events not included.

= Highest second maximum 24-hour concentration (*Applicable NAAQS is 150 ug/m³*)

SO₂ = Highest annual mean concentration (*Applicable NAAQS is 0.03 ppm*)

= Highest second maximum 24-hour concentration (*Applicable NAAQS is 0.14 ppm*)

ND = Indicates data not available

IN = Indicates insufficient data to calculate summary statistic

WTD = Weighted

AM = Annual mean

UGM = Units are micrograms per cubic meter

PPM = Units are parts per million

(a) – Localized impact from an industrial source in Chicago, IL. Highest population-oriented site in Chicago, IL is 0.08 ug/m³.

(b) – Localized impact from an industrial source in Cleveland, OH. This facility has been shut down. Highest population-oriented site in Cleveland, OH is 0.06 ug/m³.

(c) – Localized impact from an industrial source in Columbus, GA. Highest population-oriented site in Columbus, GA is 0.68 ug/m³.

(d) – Localized impact from an industrial source in Collin Co., TX. Highest population-oriented site in Dallas, TX is 0.19 ug/m³.

(e) – Localized impact from an industrial source in Indianapolis, IN. Highest population-oriented site in Indianapolis, IN is 0.09 ug/m³.

(f) – Localized impact from an industrial source in Memphis, TN. Highest population-oriented site in Memphis, TN is 0.05 ug/m³.

(g) – Localized impact from an industrial source in Muncie, IN.

(h) – Localized impact from an industrial source in Williamston, CO., TN. Highest population-oriented site in Nashville, TN is 0.08 ug/m³.

(i) – Localized impact from an industrial source in Omaha, NE. Highest population-oriented site in Omaha, NE is 0.21 ug/m³.

(j) – Localized impact from an industrial source in Philadelphia, PA. Highest population-oriented site in Philadelphia, PA is 0.74 ug/m³.

(k) – Localized impact from an industrial source in Lauderdale, PA.

(l) – Localized impact from an industrial source in Herculaneum, MO. Highest population-oriented site in St. Louis, MO is 0.02 ug/m³.

(m) – Localized impact from an industrial source in Tampa, FL.

Note: The reader is cautioned that this summary is not adequate in itself to numerically rank MSAs according to their air quality. The monitoring data represent the quality of air in the vicinity of the monitoring site but may not necessarily represent urban-wide air quality.

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AKRON, OH												
CO	SECOND MAX 8-HOUR	NS	2	4.1	4.9	4.8	6.1	5.4	3.2	4.5	2.6	3.7
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.10	0.13	0.07	0.10	0.04	0.06	0.05	0.06	0.06
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.13	0.16	0.13	0.11	0.12	0.11	0.11	0.10
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	72	72	61	59	57	62	63
	WEIGHTED ANNUAL MEAN	NS	1	—	—	34	34	26	28	27	25	28
SO2	ARITHMETIC MEAN	DOWN	2	0.016	0.015	0.015	0.015	0.014	0.013	0.012	0.013	0.011
	SECOND MAX 24-HOUR	NS	2	0.052	0.051	0.049	0.054	0.056	0.052	0.053	0.047	0.040
ALBANY-SCHENECTADY-TROY, NY												
CO	SECOND MAX 8-HOUR	DOWN	1	6.6	7.5	6.2	5.7	6.2	5.4	4.7	3.8	5.2
LEAD	MAX QUARTERLY MEAN	NS	1	0.11	0.08	0.05	0.04	0.13	0.04	0.03	0.03	0.04
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.10	0.12	0.10	0.11	0.10	0.10	0.10	0.10
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	46	46	46	51	54	51	49
	WEIGHTED ANNUAL MEAN	NS	2	—	—	22	22	22	22	21	20	22
SO2	ARITHMETIC MEAN	DOWN	1	0.009	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.005
	SECOND MAX 24-HOUR	NS	1	0.029	0.027	0.039	0.022	0.028	0.030	0.022	0.026	0.027
ALBUQUERQUE, NM												
CO	SECOND MAX 8-HOUR	DOWN	5	7.7	8.6	6.6	6.6	6.2	5.6	5.1	5.4	5.0
NO2	ARITHMETIC MEAN	NS	1	0.018	0.018	0.018	0.019	0.018	0.004	0.021	0.024	0.023
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	6	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.08	0.09
PM-10	SECOND MAX 24-HOUR	NS	9	—	—	75	75	58	52	46	52	58
	WEIGHTED ANNUAL MEAN	NS	9	—	—	35	35	26	23	24	25	24
ALEXANDRIA, LA												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	43	43	43	44	48	43	45
	WEIGHTED ANNUAL MEAN	NS	1	—	—	23	23	23	22	25	21	23
ALLENTOWN-BETHLEHEM-EASTON, PA												
CO	SECOND MAX 8-HOUR	NS	2	5.0	4.7	6.8	4.8	5.3	5.3	3.8	3.6	6.6
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.33	0.43	0.84	0.44	0.24	0.27	0.18	0.12	0.11
NO2	ARITHMETIC MEAN	NS	1	0.021	0.019	0.020	0.020	0.017	0.018	0.018	0.020	0.021
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.12	0.12	0.15	0.10	0.11	0.12	0.10	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	63	63	74	62	38	60	64
	WEIGHTED ANNUAL MEAN	NS	3	—	—	28	28	27	27	20	23	25
SO2	ARITHMETIC MEAN	DOWN	1	0.013	0.012	0.012	0.010	0.010	0.008	0.008	0.009	0.010
	SECOND MAX 24-HOUR	DOWN	1	0.047	0.035	0.048	0.047	0.044	0.033	0.030	0.027	0.042
ALTOONA, PA												
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.13	0.14	0.10	0.10	0.11	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	60	60	53	65	38	62	74
	WEIGHTED ANNUAL MEAN	NS	1	—	—	25	25	21	26	21	23	25
SO ₂	ARITHMETIC MEAN	DOWN	1	0.011	0.010	0.011	0.011	0.011	0.011	0.009	0.009	0.010
	SECOND MAX 24-HOUR	NS	1	0.065	0.051	0.051	0.059	0.062	0.044	0.046	0.052	0.058
ANCHORAGE, AK												
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	79	79	107	104	130	102	95
	WEIGHTED ANNUAL MEAN	NS	3	—	—	26	26	31	30	31	28	27
ANN ARBOR, MI												
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.12	0.12	0.13	0.10	0.09	0.10	0.10	0.10	0.11
ANNISTON, AL												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	64	64	64	78	45	69	44
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	28	28	28	29	25	25	24
APPLETON-OSHKOSH-NEENAH, WI												
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.09	0.10	0.11	0.09	0.08	0.09	0.09	0.08	0.08
ASHEVILLE, NC												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	53	53	49	53	41	53	33
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	29	29	25	24	23	22	19
ATLANTA, GA												
CO	SECOND MAX 8-HOUR	DOWN	1	5.9	5.9	5.3	6.2	5.4	6.5	5.1	4.9	5.3
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.10	0.07	0.05	0.04	0.03	0.04	0.03	0.02	0.03
NO2	ARITHMETIC MEAN	DOWN	2	0.025	0.024	0.024	0.023	0.021	0.020	0.020	0.020	0.018
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.15	0.16	0.16	0.12	0.14	0.12	0.12	0.15	0.12
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	73	73	96	78	61	72	55
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	37	37	46	36	31	31	30
SO2	ARITHMETIC MEAN	DOWN	2	0.007	0.006	0.007	0.007	0.007	0.006	0.006	0.004	0.004
	SECOND MAX 24-HOUR	NS	2	0.028	0.035	0.041	0.043	0.025	0.032	0.027	0.036	0.023
ATLANTIC-CAPE MAY, NJ												
LEAD	MAX QUARTERLY MEAN	NS	1	0.25	0.06	0.04	0.07	0.02	0.03	0.02	0.03	0.04
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.14	0.15	0.12	0.16	0.14	0.12	0.12	0.12
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	69	69	59	71	51	58	66
	WEIGHTED ANNUAL MEAN	NS	1	—	—	37	37	34	34	31	30	32
SO2	ARITHMETIC MEAN	DOWN	1	0.004	0.004	0.006	0.005	0.004	0.004	0.003	0.003	0.003
	SECOND MAX 24-HOUR	NS	1	0.021	0.016	0.025	0.029	0.012	0.011	0.016	0.014	0.019
AUGUSTA-AIKEN, GA-SC												
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.04	0.03	0.02	0.03	0.02	0.01	0.01	0.01	0.01

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
OZONE PM-10	SECOND DAILY MAX 1-HOUR	NS	1	0.09	0.10	0.12	0.09	0.10	0.09	0.08	0.10	0.09	0.09
	SECOND MAX 24-HOUR	NS	1	—	—	49	49	53	50	42	51	45	40
	WEIGHTED ANNUAL MEAN	NS	1	—	—	21	21	22	23	22	22	21	19
AUSTIN-SAN MARCOS, TX													
OZONE PM-10	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.10	0.11	0.11	0.11	0.10	0.09	0.09	0.10	0.11
	SECOND MAX 24-HOUR	NS	2	—	—	44	44	43	40	48	51	45	41
	WEIGHTED ANNUAL MEAN	NS	2	—	—	25	25	21	24	23	19	20	22
BAKERSFIELD, CA													
CO NO2 OZONE PM-10	SECOND MAX 8-HOUR	DOWN	1	7.9	6.5	7.4	8.9	8.4	7.8	5.5	5.1	5.1	5.1
	ARITHMETIC MEAN	DOWN	2	0.027	0.025	0.027	0.027	0.026	0.024	0.022	0.022	0.022	0.021
	SECOND DAILY MAX 1-HOUR	NS	4	0.15	0.14	0.15	0.13	0.13	0.13	0.12	0.13	0.13	0.14
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	158	158	165	169	104	96	131	111
	WEIGHTED ANNUAL MEAN	NS	1	—	—	65	65	69	70	55	44	40	46
	SO2	ARITHMETIC MEAN	DOWN	2	0.004	0.005	0.006	0.006	0.005	0.003	0.003	0.003	0.003
SO2	SECOND MAX 24-HOUR	DOWN	2	0.014	0.014	0.018	0.018	0.013	0.010	0.009	0.009	0.007	0.008
BALTIMORE, MD													
CO LEAD NO2 OZONE PM-10	SECOND MAX 8-HOUR	DOWN	4	9.7	7.3	7.7	6.7	6.9	6.1	5.4	5.2	5.5	4.3
	MAX QUARTERLY MEAN	DOWN	3	0.15	0.09	0.08	0.07	0.05	0.04	0.04	0.03	0.03	0.03
	ARITHMETIC MEAN	DOWN	2	0.031	0.031	0.030	0.030	0.029	0.029	0.026	0.027	0.028	0.025
PM-10	SECOND DAILY MAX 1-HOUR	NS	6	0.13	0.15	0.17	0.12	0.12	0.13	0.12	0.13	0.13	0.14
	SECOND MAX 24-HOUR	NS	3	—	—	73	73	69	74	59	63	70	65
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	36	36	30	35	30	29	30	28
SO2	ARITHMETIC MEAN	DOWN	2	0.011	0.011	0.012	0.012	0.008	0.009	0.009	0.008	0.008	0.006
	SECOND MAX 24-HOUR	DOWN	2	0.039	0.036	0.038	0.042	0.030	0.030	0.026	0.026	0.030	0.022
BANGOR, ME													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	54	54	37	48	70	52	59	51
	WEIGHTED ANNUAL MEAN	NS	1	—	—	26	26	21	25	22	22	22	20
BATON ROUGE, LA													
LEAD NO2 OZONE PM-10	MAX QUARTERLY MEAN	DOWN	2	0.20	0.21	0.10	0.09	0.06	0.03	0.03	0.02	0.02	0.04
	ARITHMETIC MEAN	NS	1	0.018	0.019	0.017	0.015	0.014	0.015	0.016	0.012	0.016	0.016
	SECOND DAILY MAX 1-HOUR	NS	3	0.13	0.14	0.15	0.14	0.15	0.13	0.11	0.11	0.12	0.12
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	57	57	56	62	57	47	54	49
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	28	28	28	28	27	22	26	24
	SO2	ARITHMETIC MEAN	NS	1	0.011	0.007	0.007	0.005	0.005	0.008	0.008	0.006	0.008
SO2	SECOND MAX 24-HOUR	NS	1	0.040	0.030	0.029	0.056	0.022	0.036	0.033	0.021	0.025	0.034
BEAUMONT-PORT ARTHUR, TX													
CO LEAD NO2 OZONE PM-10	SECOND MAX 8-HOUR	DOWN	1	3.4	4.0	3.0	2.0	2.3	2.3	2.4	3.3	2.0	1.7
	MAX QUARTERLY MEAN	DOWN	1	0.05	0.04	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02
	SECOND DAILY MAX 1-HOUR	NS	2	0.14	0.13	0.15	0.14	0.12	0.13	0.13	0.12	0.11	0.14
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	48	48	48	58	53	56	45	56
	WEIGHTED ANNUAL MEAN	NS	1	—	—	23	23	23	26	26	22	20	20
	SO2	ARITHMETIC MEAN	DOWN	2	0.008	0.009	0.008	0.008	0.009	0.008	0.006	0.005	0.005
SO2	SECOND MAX 24-HOUR	NS	2	0.043	0.053	0.046	0.088	0.041	0.059	0.044	0.047	0.039	0.025
BELLINGHAM, WA													
SO2	ARITHMETIC MEAN	NS	1	0.007	0.008	0.005	0.006	0.007	0.006	0.007	0.005	0.007	0.006
	SECOND MAX 24-HOUR	NS	1	0.024	0.025	0.026	0.018	0.028	0.021	0.022	0.017	0.019	0.018
BERGEN-PASSAIC, NJ													
CO LEAD NO2 OZONE PM-10	SECOND MAX 8-HOUR	DOWN	2	10.0	7.5	6.8	7.5	6.8	6.6	4.5	5.2	6.2	4.9
	MAX QUARTERLY MEAN	DOWN	1	0.22	0.13	0.09	0.05	0.04	0.03	0.02	0.03	0.08	0.03
	ARITHMETIC MEAN	DOWN	1	0.030	0.036	0.036	0.035	0.031	0.031	0.030	0.029	0.031	0.029
PM-10	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.17	0.19	0.12	0.13	0.14	0.10	0.11	0.11	0.12
	SECOND MAX 24-HOUR	NS	3	—	—	70	70	83	79	60	71	91	72
	WEIGHTED ANNUAL MEAN	NS	3	—	—	35	35	37	39	33	31	35	31
SO2	ARITHMETIC MEAN	DOWN	2	0.012	0.010	0.012	0.011	0.010	0.010	0.009	0.008	0.007	0.005
	SECOND MAX 24-HOUR	DOWN	2	0.045	0.037	0.052	0.044	0.041	0.035	0.040	0.025	0.037	0.026
BILLINGS, MT													
SO2	ARITHMETIC MEAN	DOWN	3	0.023	0.022	0.021	0.019	0.016	0.016	0.021	0.022	0.016	0.014
	SECOND MAX 24-HOUR	DOWN	3	0.109	0.107	0.108	0.086	0.070	0.070	0.081	0.104	0.072	0.067
BILOXI-GULFPORT-PASCAGOULA, MS													
SO2	ARITHMETIC MEAN	DOWN	1	0.006	0.006	0.006	0.006	0.007	0.006	0.006	0.004	0.003	0.003
	SECOND MAX 24-HOUR	NS	1	0.022	0.022	0.022	0.029	0.037	0.034	0.020	0.029	0.021	0.024
BIRMINGHAM, AL													
CO LEAD OZONE PM-10	SECOND MAX 8-HOUR	DOWN	5	7.0	7.2	7.2	7.1	6.8	6.6	6.3	6.3	6.3	6.0
	MAX QUARTERLY MEAN	DOWN	3	1.17	1.11	1.75	0.88	0.66	0.95	0.45	0.15	0.09	0.08
	SECOND DAILY MAX 1-HOUR	NS	5	0.12	0.12	0.12	0.11	0.12	0.10	0.11	0.11	0.10	0.12
PM-10	SECOND MAX 24-HOUR	NS	6	—	—	62	62	69	75	54	62	49	54
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	31	31	35	32	29	27	25	26
	SO2	ARITHMETIC MEAN	DOWN	6	—	—	107	107	67	129	79	80	90
BISMARCK, ND													
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	51	51	84	51	45	45	40	36
	WEIGHTED ANNUAL MEAN	NS	1	—	—	21	21	24	21	21	19	18	20
BOISE CITY, ID													
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	107	107	67	129	79	80	90	74

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	WEIGHTED ANNUAL MEAN	NS	3	—	42	42	29	35	34	37	35	30
BOSTON, MA-NH												
CO	SECOND MAX 8-HOUR	DOWN	3	5.8	6.2	5.3	5.2	5.9	4.0	4.5	3.6	4.5
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.15	0.11	0.16	0.07	0.04	0.03	0.03	0.02	0.01
NO2	ARITHMETIC MEAN	DOWN	6	0.029	0.029	0.029	0.028	0.027	0.027	0.026	0.027	0.024
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.11	0.12	0.16	0.12	0.10	0.13	0.11	0.12	0.11
PM-10	SECOND MAX 24-HOUR	DOWN	8	—	—	52	52	53	51	52	51	48
	WEIGHTED ANNUAL MEAN	DOWN	8	—	—	27	27	25	24	22	22	21
SO2	ARITHMETIC MEAN	DOWN	11	0.011	0.011	0.011	0.010	0.009	0.009	0.009	0.008	0.006
	SECOND MAX 24-HOUR	DOWN	11	0.042	0.043	0.049	0.043	0.038	0.030	0.037	0.032	0.032
BOULDER-LONGMONT, CO												
CO	SECOND MAX 8-HOUR	DOWN	1	7.6	8.7	6.0	6.5	4.8	4.2	5.1	4.1	2.7
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.13	0.12	0.12	0.11	0.10	0.10	0.09	0.10	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	85	85	70	71	61	73	47
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	29	29	23	23	23	24	19
BRAZORIA, TX												
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.16	0.15	0.14	0.15	0.15	0.13	0.13	0.13	0.11
BRIDGEPORT, CT												
CO	SECOND MAX 8-HOUR	DOWN	1	7.7	5.3	6.5	5.2	5.0	5.5	4.7	3.7	5.8
NO2	ARITHMETIC MEAN	DOWN	1	0.027	0.027	0.027	0.026	0.026	0.025	0.024	0.024	0.026
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.19	0.20	0.22	0.16	0.15	0.15	0.12	0.16	0.15
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	48	48	52	55	45	45	51
	WEIGHTED ANNUAL MEAN	NS	2	—	—	25	25	23	25	20	19	20
SO2	ARITHMETIC MEAN	DOWN	2	0.012	0.012	0.012	0.012	0.011	0.010	0.010	0.009	0.009
	SECOND MAX 24-HOUR	DOWN	2	0.053	0.050	0.060	0.046	0.048	0.042	0.037	0.032	0.050
BROCKTON, MA												
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.12	0.13	0.13	0.12	0.15	0.11	0.11	0.12
BROWNSVILLE-HARLINGEN-SAN BENITO, TX												
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	49	49	49	68	59	67	51
	WEIGHTED ANNUAL MEAN	NS	2	—	—	24	24	24	26	27	25	24
BUFFALO-NIAGARA FALLS, NY												
CO	SECOND MAX 8-HOUR	DOWN	3	6.2	4.7	4.1	4.4	3.4	3.1	4.6	3.4	3.2
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.12	0.08	0.07	0.04	0.04	0.03	0.03	0.04	0.05
NO2	ARITHMETIC MEAN	DOWN	2	0.023	0.022	0.021	0.022	0.020	0.018	0.018	0.017	0.019
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.13	0.14	0.10	0.11	0.11	0.11	0.09	0.10
PM-10	SECOND MAX 24-HOUR	NS	12	—	—	57	57	49	61	52	63	40
	WEIGHTED ANNUAL MEAN	DOWN	12	—	—	25	25	20	25	22	19	19
SO2	ARITHMETIC MEAN	DOWN	4	0.013	0.012	0.013	0.012	0.011	0.012	0.011	0.010	0.009
	SECOND MAX 24-HOUR	DOWN	4	0.056	0.056	0.062	0.051	0.054	0.062	0.058	0.042	0.039
BURLINGTON, VT												
CO	SECOND MAX 8-HOUR	NS	1	5.9	4.7	3.7	3.7	4.6	3.8	3.9	3.9	2.5
NO2	ARITHMETIC MEAN	DOWN	1	0.018	0.019	0.019	0.019	0.018	0.017	0.016	0.017	0.017
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	50	50	62	53	50	45	45
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	25	25	24	23	23	21	20
SO2	ARITHMETIC MEAN	NS	1	0.005	0.006	0.007	0.007	0.008	0.008	0.003	0.003	0.002
	SECOND MAX 24-HOUR	DOWN	1	0.020	0.018	0.027	0.031	0.021	0.022	0.013	0.011	0.013
CANTON-MASSILLION, OH												
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.11	0.12	0.14	0.11	0.10	0.11	0.09	0.10	0.10
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	77	77	65	61	59	63	60
	WEIGHTED ANNUAL MEAN	NS	2	—	—	35	35	30	31	28	26	29
SO2	ARITHMETIC MEAN	DOWN	1	0.011	0.010	0.011	0.012	0.011	0.010	0.010	0.010	0.009
	SECOND MAX 24-HOUR	NS	1	0.048	0.045	0.039	0.041	0.037	0.037	0.040	0.046	0.052
CEDAR RAPIDS, IA												
CO	SECOND MAX 8-HOUR	NS	1	5.6	3.3	4.2	2.9	4.8	4.5	4.2	4.1	3.4
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.08	0.09	0.08	0.08	0.07	0.08	0.08	0.07	0.07
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	73	73	71	62	60	47	56
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	33	33	28	29	27	22	23
SO2	ARITHMETIC MEAN	DOWN	4	0.007	0.007	0.007	0.007	0.007	0.006	0.005	0.005	0.004
	SECOND MAX 24-HOUR	DOWN	4	0.055	0.057	0.051	0.054	0.050	0.043	0.037	0.042	0.031
CHAMPAIGN-URBANA, IL												
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.09	0.10	0.10	0.09	0.09	0.08	0.09	0.07	0.09
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	70	70	66	61	71	50	50
	WEIGHTED ANNUAL MEAN	NS	1	—	—	32	32	28	30	31	22	22
SO2	ARITHMETIC MEAN	NS	1	0.005	0.005	0.005	0.005	0.004	0.005	0.004	0.004	0.003
	SECOND MAX 24-HOUR	NS	1	0.020	0.021	0.024	0.025	0.030	0.038	0.018	0.016	0.024
CHARLESTON-NORTH CHARLESTON, SC												
CO	SECOND MAX 8-HOUR	NS	1	5.8	5.4	7.5	5.9	4.7	4.9	5.2	5.8	4.0
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.05	0.05	0.03	0.02	0.03	0.04	0.01	0.01	0.01
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	3	0.11	0.10	0.11	0.09	0.09	0.09	0.09	0.10	0.09
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	55	55	59	46	46	40	40
	WEIGHTED ANNUAL MEAN	DOWN	4	—	—	29	29	27	25	23	22	20
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.005	0.005	0.005	0.003	0.005	0.005	0.004	0.003

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
CHARLESTON, WV	SECOND MAX 24-HOUR	DOWN	1	0.051	0.042	0.063	0.045	0.027	0.030	0.035	0.025	0.038	0.019
CO	SECOND MAX 8-HOUR	NS	1	3.3	4.7	2.8	2.9	2.8	3.1	3.3	2.2	3.5	2.4
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.06	0.04	0.02	0.02	0.04	0.02	0.02	0.02	0.02	0.02
NO2	ARITHMETIC MEAN	DOWN	1	0.023	0.025	0.024	0.021	0.020	0.020	0.017	0.018	0.019	0.020
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.11	0.16	0.10	0.12	0.12	0.07	0.08	0.10	0.11
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	88	88	72	59	50	59	57	53
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	35	35	36	29	28	29	28	26
SO2	ARITHMETIC MEAN	DOWN	2	0.012	0.011	0.013	0.014	0.012	0.009	0.009	0.009	0.010	0.007
	SECOND MAX 24-HOUR	DOWN	2	0.058	0.045	0.049	0.062	0.056	0.036	0.032	0.034	0.037	0.023
CHARLOTTE-GASTONIA-ROCK HILL, NC-SC	SECOND MAX 24-HOUR	DOWN	3	7.8	7.0	7.0	7.5	6.9	6.5	6.2	5.8	6.0	4.9
CO	SECOND MAX 8-HOUR	DOWN	1	0.15	0.07	0.07	0.03	0.04	0.01	0.08	0.02	0.03	0.01
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.13	0.13	0.16	0.12	0.12	0.12	0.10	0.13	0.11	0.11
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	—	—	55	55	57	57	54	52	47	48
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	34	34	33	30	30	29	29	26
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	34	34	33	30	29	29	29	26
CHARLOTTESVILLE, VA	SECOND MAX 24-HOUR	NS	1	—	—	64	64	53	57	37	54	40	53
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	30	30	27	28	22	24	22	23
CHATTANOOGA, TN-GA	SECOND DAILY MAX 1-HOUR	NS	2	0.12	0.11	0.12	0.10	0.12	0.10	0.09	0.10	0.11	0.11
CO	SECOND MAX 8-HOUR	NS	2	—	—	67	67	72	75	72	61	63	58
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	36	36	38	38	34	32	33	32
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	36	36	38	38	34	33	33	32
CHICAGO, IL	SECOND MAX 8-HOUR	NS	5	4.7	4.7	5.3	5.0	5.6	4.4	4.8	4.7	7.1	3.8
CO	MAX QUARTERLY MEAN	DOWN	8	0.20	0.10	0.15	0.10	0.08	0.06	0.07	0.06	0.06	0.05
LEAD	ARITHMETIC MEAN	NS	4	0.029	0.028	0.029	0.030	0.025	0.024	0.027	0.027	0.031	0.030
OZONE	SECOND DAILY MAX 1-HOUR	NS	15	0.11	0.14	0.14	0.10	0.09	0.11	0.10	0.09	0.10	0.12
PM-10	SECOND MAX 24-HOUR	NS	13	—	—	84	84	99	78	79	78	92	75
	WEIGHTED ANNUAL MEAN	NS	13	—	—	39	39	37	35	34	33	37	34
SO2	ARITHMETIC MEAN	DOWN	9	0.009	0.008	0.008	0.007	0.006	0.007	0.006	0.006	0.006	0.005
	SECOND MAX 24-HOUR	DOWN	9	0.041	0.036	0.031	0.028	0.024	0.029	0.026	0.028	0.030	0.023
CHICO-PARADISE, CA	SECOND MAX 8-HOUR	DOWN	2	7.0	5.6	7.2	6.4	6.2	7.4	5.9	4.7	4.6	4.1
CO	ARITHMETIC MEAN	NS	1	0.016	0.017	0.016	0.016	0.015	0.016	0.016	0.016	0.015	0.014
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.10	0.10	0.10	0.12	0.09	0.09	0.09	0.10	0.09
CINCINNATI, OH-KY-IN	SECOND MAX 8-HOUR	NS	3	5.4	5.0	3.8	4.9	4.2	4.2	4.5	4.7	4.3	3.4
CO	MAX QUARTERLY MEAN	DOWN	2	0.10	0.09	0.13	0.09	0.11	0.06	0.05	0.05	0.04	0.05
LEAD	ARITHMETIC MEAN	DOWN	3	0.026	0.027	0.025	0.026	0.024	0.024	0.022	0.023	0.024	0.023
NO2	SECOND DAILY MAX 1-HOUR	NS	7	0.12	0.13	0.14	0.11	0.11	0.12	0.09	0.10	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	7	—	—	94	94	91	66	60	70	68	69
	WEIGHTED ANNUAL MEAN	NS	7	—	—	41	41	36	32	30	31	30	31
SO2	ARITHMETIC MEAN	DOWN	5	0.013	0.012	0.012	0.012	0.012	0.011	0.010	0.010	0.008	0.007
	SECOND MAX 24-HOUR	DOWN	5	0.058	0.056	0.048	0.053	0.059	0.041	0.044	0.036	0.040	0.034
CLARKSVILLE-HOPKINSVILLE, TN-KY	ARITHMETIC MEAN	NS	1	0.007	0.005	0.010	0.007	0.007	0.006	0.009	0.010	0.007	0.006
SO2	SECOND MAX 24-HOUR	DOWN	1	0.056	0.040	0.066	0.042	0.038	0.029	0.035	0.058	0.037	0.019
CLEVELAND-LORAIN-ELYRIA, OH	SECOND MAX 8-HOUR	NS	2	5.7	6.0	5.7	5.9	4.7	4.7	5.1	4.3	5.3	5.7
CO	MAX QUARTERLY MEAN	DOWN	3	0.22	0.29	0.23	0.20	0.30	0.19	0.22	0.22	0.16	0.10
LEAD	ARITHMETIC MEAN	NS	1	0.021	0.022	0.023	0.025	0.022	0.022	0.021	0.022	0.021	0.021
NO2	SECOND DAILY MAX 1-HOUR	NS	6	0.10	0.12	0.14	0.10	0.11	0.11	0.10	0.11	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	7	—	—	93	93	87	82	79	77	93	97
	WEIGHTED ANNUAL MEAN	NS	7	—	—	41	41	36	38	33	32	39	36
SO2	ARITHMETIC MEAN	DOWN	9	0.011	0.011	0.011	0.012	0.010	0.010	0.009	0.008	0.008	0.006
	SECOND MAX 24-HOUR	DOWN	9	0.050	0.045	0.044	0.043	0.041	0.039	0.038	0.040	0.040	0.023
COLORADO SPRINGS, CO	SECOND MAX 8-HOUR	DOWN	2	8.9	8.3	11.5	7.7	6.8	6.5	6.0	5.4	4.6	5.1
CO	SECOND DAILY MAX 1-HOUR	NS	1	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.06	0.07	0.07
OZONE	SECOND MAX 24-HOUR	DOWN	4	—	—	74	74	68	75	65	71	63	53
PM-10	WEIGHTED ANNUAL MEAN	NS	4	—	—	30	30	25	27	24	27	25	23
COLUMBIA, SC	SECOND MAX 8-HOUR	DOWN	1	7.4	7.0	7.4	6.5	5.8	6.0	6.3	5.6	4.7	4.0
CO	MAX QUARTERLY MEAN	DOWN	2	0.12	0.09	0.06	0.03	0.03	0.05	0.04	0.02	0.02	0.01
LEAD	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.12	0.13	0.10	0.11	0.10	0.10	0.11	0.10	0.11
NO2	SECOND MAX 24-HOUR	DOWN	5	—	—	56	56	59	49	54	48	40	41
PM-10	WEIGHTED ANNUAL MEAN	DOWN	5	—	—	30	30	25	26	25	24	20	20
SO2	ARITHMETIC MEAN	DOWN	1	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.002	0.001
	SECOND MAX 24-HOUR	DOWN	1	0.017	0.017	0.017	0.012	0.009	0.013	0.012	0.010	0.005	0.005

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
COLUMBUS, GA-AL												
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.11	0.10	0.09	0.10	0.09	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	43	43	63	75	51	50	49
	WEIGHTED ANNUAL MEAN	NS	1	—	—	26	26	29	27	26	25	28
COLUMBUS, OH												
CO	SECOND MAX 8-HOUR	DOWN	3	4.8	5.4	6.0	5.7	4.1	4.8	4.9	3.9	4.5
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.13	0.09	0.08	0.08	0.06	0.06	0.06	0.04	0.04
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.11	0.14	0.11	0.11	0.12	0.09	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	82	82	86	67	66	67	71
	WEIGHTED ANNUAL MEAN	DOWN	4	—	—	35	35	33	31	28	28	27
SO2	ARITHMETIC MEAN	DOWN	1	0.010	0.009	0.008	0.008	0.008	0.007	0.006	0.007	0.006
	SECOND MAX 24-HOUR	NS	1	0.039	0.032	0.035	0.038	0.038	0.033	0.030	0.034	0.041
CORPUS CHRISTI, TX												
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.13	0.10	0.10	0.10	0.11	0.09	0.12	0.11
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	74	74	63	70	59	74	53
	WEIGHTED ANNUAL MEAN	NS	2	—	—	30	30	27	31	29	29	28
SO2	ARITHMETIC MEAN	NS	2	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002
	SECOND MAX 24-HOUR	NS	2	0.017	0.017	0.024	0.019	0.013	0.027	0.018	0.024	0.011
CUMBERLAND, MD-WV												
SO2	ARITHMETIC MEAN	DOWN	1	0.013	0.012	0.013	0.011	0.010	0.009	0.006	0.008	0.010
	SECOND MAX 24-HOUR	DOWN	1	0.044	0.044	0.055	0.049	0.031	0.028	0.024	0.027	0.037
DALLAS, TX												
CO	SECOND MAX 8-HOUR	NS	1	7.2	4.7	8.0	4.5	4.7	3.8	5.6	5.4	5.9
LEAD	MAX QUARTERLY MEAN	DOWN	11	0.25	0.25	0.23	0.24	0.21	0.16	0.16	0.16	0.10
NO2	ARITHMETIC MEAN	NS	2	0.012	0.013	0.012	0.012	0.012	0.013	0.013	0.011	0.012
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.13	0.14	0.12	0.12	0.12	0.10	0.11	0.12	0.11
PM-10	SECOND MAX 24-HOUR	NS	5	—	—	58	58	60	57	54	62	51
	WEIGHTED ANNUAL MEAN	NS	5	—	—	29	29	28	26	26	27	30
DANBURY, CT												
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.15	0.20	0.13	0.15	0.14	0.12	0.14	0.13
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	48	48	44	53	57	46	48
	WEIGHTED ANNUAL MEAN	NS	1	—	—	25	25	22	26	22	19	26
SO2	ARITHMETIC MEAN	DOWN	1	0.008	0.008	0.009	0.008	0.007	0.008	0.007	0.006	0.006
	SECOND MAX 24-HOUR	NS	1	0.032	0.035	0.051	0.035	0.033	0.032	0.027	0.024	0.037
DAVENPORT-MOLINE-ROCK ISLAND, IA-IL												
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.06	0.03	0.01	0.02	0.03	0.01	0.02	0.02	0.01
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.10	0.11	0.10	0.08	0.09	0.10	0.08	0.09
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	77	77	72	58	61	71	83
	WEIGHTED ANNUAL MEAN	NS	2	—	—	34	34	32	31	30	29	35
SO2	ARITHMETIC MEAN	NS	2	0.005	0.003	0.004	0.005	0.004	0.005	0.005	0.004	0.004
	SECOND MAX 24-HOUR	NS	2	0.031	0.011	0.019	0.023	0.019	0.020	0.021	0.020	0.026
DAYTON-SPRINGFIELD, OH												
CO	SECOND MAX 8-HOUR	DOWN	2	5.5	5.0	4.0	4.8	3.2	3.5	3.6	3.6	3.0
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.15	0.09	0.08	0.06	0.05	0.04	0.04	0.06	0.05
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.12	0.12	0.13	0.12	0.11	0.11	0.10	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	70	70	64	53	52	58	56
	WEIGHTED ANNUAL MEAN	DOWN	4	—	—	30	30	25	28	25	24	25
SO2	ARITHMETIC MEAN	DOWN	2	0.008	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.004
	SECOND MAX 24-HOUR	NS	2	0.030	0.030	0.025	0.031	0.023	0.022	0.020	0.031	0.032
DECATUR, AL												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	57	57	57	68	48	60	52
	WEIGHTED ANNUAL MEAN	NS	1	—	—	25	25	25	28	25	25	25
DECATUR, IL												
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.10	0.09	0.10	0.07	0.03	0.03	0.03	0.05	0.03
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.10	0.11	0.09	0.09	0.10	0.09	0.08	0.10
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	110	110	101	85	75	64	58
	WEIGHTED ANNUAL MEAN	NS	1	—	—	40	40	34	36	38	28	30
SO2	ARITHMETIC MEAN	DOWN	1	0.013	0.013	0.015	0.012	0.008	0.007	0.005	0.006	0.007
	SECOND MAX 24-HOUR	DOWN	1	0.129	0.081	0.162	0.108	0.060	0.039	0.023	0.024	0.030
DENVER, CO												
CO	SECOND MAX 8-HOUR	DOWN	6	14.4	12.1	9.9	7.8	7.2	7.0	8.3	6.6	6.1
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.19	0.12	0.07	0.05	0.06	0.05	0.06	0.06	0.05
NO2	ARITHMETIC MEAN	DOWN	2	0.037	0.034	0.033	0.033	0.032	0.032	0.032	0.027	0.032
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	5	0.12	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR	NS	10	—	—	80	80	67	75	71	92	66
	WEIGHTED ANNUAL MEAN	NS	10	—	—	30	30	28	28	29	32	27
SO2	ARITHMETIC MEAN	NS	2	0.006	0.007	0.007	0.006	0.006	0.007	0.006	0.006	0.004
	SECOND MAX 24-HOUR	NS	2	0.022	0.020	0.022	0.023	0.020	0.026	0.038	0.025	0.016
DES MOINES, IA												
CO	SECOND MAX 8-HOUR	NS	3	5.9	4.7	3.9	4.4	4.6	4.6	3.9	4.5	3.9
OZONE	SECOND DAILY MAX 1-HOUR	UP	2	0.07	0.05	0.06	0.06	0.07	0.06	0.08	0.08	0.08
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	87	87	89	66	81	77	78

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
DETROIT, MI	WEIGHTED ANNUAL MEAN	NS	3	—	—	33	33	32	29	28	29	28	31
CO	SECOND MAX 8-HOUR	NS	5	7.8	6.9	5.4	6.2	4.6	5.4	4.3	4.6	6.9	4.8
LEAD	MAX QUARTERLY MEAN	DOWN	4	0.11	0.07	0.06	0.06	0.04	0.04	0.03	0.03	0.03	0.04
NO2	ARITHMETIC MEAN	NS	1	0.023	0.023	0.023	0.025	0.024	0.022	0.021	0.022	0.025	0.022
OZONE	SECOND DAILY MAX 1-HOUR	NS	7	0.10	0.11	0.14	0.12	0.10	0.12	0.10	0.11	0.12	0.11
PM-10	SECOND MAX 24-HOUR	NS	6	—	—	81	81	78	73	69	82	90	88
	WEIGHTED ANNUAL MEAN	NS	6	—	—	39	39	36	33	28	33	38	35
SO2	ARITHMETIC MEAN	DOWN	8	0.010	0.010	0.010	0.010	0.010	0.008	0.007	0.007	0.007	0.006
	SECOND MAX 24-HOUR	DOWN	8	0.042	0.041	0.040	0.037	0.039	0.032	0.031	0.030	0.032	0.029
DOTHAN, AL	SECOND MAX 24-HOUR	NS	1	—	—	47	47	70	62	63	59	63	56
PM-10	WEIGHTED ANNUAL MEAN	NS	1	—	—	26	26	31	28	25	26	28	28
DOVER, DE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.15	0.17	0.12	0.10	0.10	0.08	0.11	0.10	0.10
OZONE	ARITHMETIC MEAN	NS	1	0.011	0.009	0.011	0.012	0.007	0.009	0.009	0.009	0.009	0.009
SO2	SECOND MAX 24-HOUR	DOWN	1	0.036	0.026	0.029	0.045	0.021	0.024	0.024	0.023	0.023	0.023
DUBUQUE, IA	ARITHMETIC MEAN	NS	1	0.003	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.005	0.006
SO2	SECOND MAX 24-HOUR	NS	1	0.023	0.028	0.052	0.030	0.037	0.028	0.029	0.014	0.037	0.027
DULUTH-SUPERIOR, MN-WI	WEIGHTED ANNUAL MEAN	DOWN	1	9.6	8.5	5.1	9.9	4.4	5.2	4.0	4.1	4.3	4.3
CO	SECOND MAX 8-HOUR	DOWN	6	—	—	52	52	55	51	48	37	39	43
PM-10	SECOND MAX 24-HOUR	DOWN	6	—	—	26	26	22	23	20	19	18	18
EL PASO, TX	WEIGHTED ANNUAL MEAN	DOWN	1	9.6	10.0	9.1	9.8	10.9	9.1	8.1	8.0	6.6	6.8
CO	SECOND MAX 8-HOUR	DOWN	5	—	—	—	—	—	—	—	—	—	—
LEAD	MAX QUARTERLY MEAN	DOWN	4	0.43	0.32	0.26	0.30	0.27	0.27	0.19	0.18	0.12	0.13
NO2	ARITHMETIC MEAN	NS	1	0.023	0.023	0.021	0.022	0.017	0.019	0.021	0.021	0.023	0.023
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	3	0.14	0.16	0.14	0.13	0.12	0.12	0.12	0.11	0.13	0.11
PM-10	SECOND MAX 24-HOUR	NS	6	—	—	109	109	104	71	85	58	82	88
	WEIGHTED ANNUAL MEAN	NS	6	—	—	42	42	36	30	30	27	28	31
SO2	ARITHMETIC MEAN	DOWN	3	0.015	0.015	0.014	0.013	0.010	0.010	0.012	0.009	0.007	0.008
	SECOND MAX 24-HOUR	DOWN	3	0.071	0.066	0.059	0.054	0.055	0.047	0.053	0.049	0.028	0.038
ELMIRA, NY	WEIGHTED ANNUAL MEAN	NS	1	0.10	0.10	0.12	0.09	0.10	0.10	0.09	0.09	0.08	0.09
PM-10	SECOND DAILY MAX 1-HOUR	NS	1	—	—	44	44	44	61	41	56	41	43
	SECOND MAX 24-HOUR	DOWN	1	—	—	24	24	24	25	21	20	19	18
SO2	ARITHMETIC MEAN	DOWN	1	0.005	0.005	0.007	0.005	0.005	0.005	0.005	0.005	0.004	0.004
	SECOND MAX 24-HOUR	DOWN	1	0.027	0.029	0.027	0.026	0.021	0.022	0.021	0.019	0.023	0.014
ERIE, PA	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	—	—	—	—	—	—	—	—
CO	SECOND MAX 8-HOUR	DOWN	1	5.6	5.3	4.9	4.4	5.1	3.8	3.6	4.4	3.7	3.2
NO2	ARITHMETIC MEAN	DOWN	1	0.016	0.016	0.016	0.015	0.015	0.013	0.014	0.014	0.015	0.015
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.15	0.15	0.15	0.12	0.10	0.11	0.10	0.11	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	73	73	71	68	56	59	54	94
	WEIGHTED ANNUAL MEAN	NS	1	—	—	27	27	27	29	22	26	29	29
SO2	ARITHMETIC MEAN	DOWN	1	0.014	0.014	0.014	0.014	0.014	0.010	0.011	0.010	0.009	0.009
	SECOND MAX 24-HOUR	NS	1	0.050	0.050	0.050	0.074	0.057	0.044	0.056	0.072	0.076	0.050
EUGENE-SPRINGFIELD, OR	WEIGHTED ANNUAL MEAN	DOWN	1	8.4	6.9	7.1	6.0	4.8	5.4	6.0	4.7	5.3	4.7
CO	SECOND MAX 8-HOUR	DOWN	1	—	—	—	—	—	—	—	—	—	—
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.10	0.08	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.12	0.08	0.09	0.09	0.10	0.08	0.09	0.08
PM-10	SECOND MAX 24-HOUR	DOWN	4	—	—	104	104	87	117	92	91	85	75
	WEIGHTED ANNUAL MEAN	NS	4	—	—	31	31	28	33	29	29	25	23
EVANSVILLE-HENDERSON, IN-KY	WEIGHTED ANNUAL MEAN	NS	1	2.6	2.5	3.1	2.3	2.5	2.0	2.3	2.6	2.7	2.7
CO	SECOND MAX 8-HOUR	DOWN	1	0.020	0.021	0.022	0.020	0.018	0.021	0.018	0.017	0.018	0.017
NO2	ARITHMETIC MEAN	NS	4	0.12	0.11	0.12	0.10	0.10	0.10	0.09	0.10	0.11	0.12
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	—	—	79	79	77	62	53	70	73	69
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	35	35	32	33	30	30	33	33
	WEIGHTED ANNUAL MEAN	NS	4	0.011	0.011	0.013	0.014	0.013	0.013	0.012	0.012	0.012	0.011
SO2	ARITHMETIC MEAN	NS	9	0.061	0.062	0.071	0.065	0.062	0.065	0.067	0.054	0.051	0.046
	SECOND MAX 24-HOUR	NS	9	—	—	31	31	28	33	29	29	25	23
FARGO-MOORHEAD, ND-MN	WEIGHTED ANNUAL MEAN	NS	1	—	—	46	46	63	45	54	39	39	40
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	21	21	21	19	21	18	18	20
FAYETTEVILLE-SPRINGDALE-ROGERS, AR	WEIGHTED ANNUAL MEAN	NS	1	—	—	58	58	59	46	53	58	49	46
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	26	26	23	24	22	24	25	24
FAYETTEVILLE, NC	WEIGHTED ANNUAL MEAN	NS	1	—	—	52	52	56	52	44	55	44	38
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	29	29	31	27	26	27	25	23
FLINT, MI	WEIGHTED ANNUAL MEAN	DOWN	1	0.11	0.12	0.13	0.10	0.10	0.10	0.09	0.10	0.09	0.09
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	—	—	—	—	—	—	—	—	—	—

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
FLORENCE, AL												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	56	56	56	57	40	52	39
	WEIGHTED ANNUAL MEAN	NS	1	—	—	24	24	24	24	21	23	20
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.007	0.007	0.005	0.005	0.004	0.004	0.003	0.003
	SECOND MAX 24-HOUR	DOWN	1	0.039	0.071	0.047	0.037	0.027	0.025	0.019	0.022	0.018
FORT COLLINS-LOVELAND, CO												
CO	SECOND MAX 8-HOUR	DOWN	1	12.4	12.8	11.3	8.3	7.0	9.8	6.9	6.6	6.0
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.13	0.08	0.10	0.09	0.10	0.09	0.09	0.09	0.08
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	59	59	45	58	39	54	45
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	29	29	23	25	23	22	22
FORT LAUDERDALE, FL												
CO	SECOND MAX 8-HOUR	NS	3	4.8	4.2	3.2	4.4	3.1	3.3	3.7	3.3	3.0
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.09	0.04	0.04	0.04	0.03	0.02	0.06	0.03	0.03
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.13	0.12	0.12	0.11	0.10	0.09	0.09	0.10	0.09
PM-10	SECOND MAX 24-HOUR	UP	1	—	—	36	36	29	42	42	66	50
	WEIGHTED ANNUAL MEAN	NS	1	—	—	21	21	17	18	18	19	24
FORT SMITH, AR-OK												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	46	46	55	47	51	60	44
	WEIGHTED ANNUAL MEAN	NS	1	—	—	28	28	26	25	24	25	24
FORT WAYNE, IN												
CO	SECOND MAX 8-HOUR	NS	1	0.9	0.6	0.7	0.6	0.6	0.9	0.6	0.9	0.9
NO2	ARITHMETIC MEAN	UP	1	0.008	0.009	0.010	0.011	0.009	0.011	0.011	0.011	0.011
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.12	0.11	0.09	0.10	0.10	0.09	0.10
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	64	64	64	55	45	61	47
	WEIGHTED ANNUAL MEAN	NS	1	—	—	29	29	27	27	23	23	24
SO2	ARITHMETIC MEAN	UP	1	0.003	0.004	0.005	0.004	0.004	0.005	0.003	0.005	0.005
	SECOND MAX 24-HOUR	UP	1	0.010	0.016	0.017	0.019	0.018	0.019	0.012	0.021	0.021
FORT WORTH-ARLINGTON, TX												
CO	SECOND MAX 8-HOUR	DOWN	2	5.3	5.1	5.1	4.8	4.2	3.7	4.0	3.4	3.2
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.15	0.11	0.05	0.03	0.03	0.02	0.03	0.03	0.03
NO2	ARITHMETIC MEAN	NS	1	0.016	0.015	0.014	0.013	0.012	0.014	0.015	0.013	0.017
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.14	0.13	0.14	0.13	0.14	0.15	0.12	0.11	0.13
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	50	50	49	45	51	58	40
	WEIGHTED ANNUAL MEAN	NS	3	—	—	24	24	24	23	21	21	20
SO2	ARITHMETIC MEAN	NS	1	0.003	0.002	0.002	0.001	0.002	0.002	0.003	0.001	0.002
	SECOND MAX 24-HOUR	DOWN	1	0.024	0.010	0.010	0.007	0.008	0.006	0.013	0.005	0.006
FRESNO, CA												
CO	SECOND MAX 8-HOUR	NS	2	4.0	4.0	5.0	4.8	4.9	5.4	3.9	3.4	4.3
NO2	ARITHMETIC MEAN	NS	2	0.018	0.017	0.021	0.022	0.021	0.021	0.020	0.020	0.019
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	3	0.16	0.16	0.16	0.14	0.14	0.15	0.14	0.14	0.13
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	190	190	190	132	94	122	114
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	62	62	62	58	48	48	45
GADSDEN, AL												
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	52	52	61	80	59	76	54
	WEIGHTED ANNUAL MEAN	NS	2	—	—	28	28	33	32	31	33	30
GALVESTON-TEXAS CITY, TX												
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.08	0.06	0.04	0.03	0.02	0.02	0.02	0.03	0.03
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.13	0.13	0.14	0.14	0.15	0.15	0.10	0.18	0.13
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	59	59	49	43	52	62	47
	WEIGHTED ANNUAL MEAN	NS	3	—	—	28	28	24	22	24	24	25
SO2	ARITHMETIC MEAN	NS	1	0.006	0.006	0.007	0.008	0.007	0.007	0.005	0.005	0.006
	SECOND MAX 24-HOUR	NS	1	0.053	0.053	0.049	0.045	0.063	0.050	0.039	0.056	0.052
GARY, IN												
CO	SECOND MAX 8-HOUR	NS	1	4.9	4.5	4.2	4.0	3.8	4.6	4.2	5.0	4.6
LEAD	MAX QUARTERLY MEAN	DOWN	3	1.04	1.19	0.60	0.28	0.24	0.13	0.14	0.10	0.21
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.12	0.13	0.15	0.10	0.10	0.11	0.11	0.09	0.11
PM-10	SECOND MAX 24-HOUR	DOWN	8	—	—	74	74	82	68	59	56	53
	WEIGHTED ANNUAL MEAN	DOWN	8	—	—	33	33	33	29	26	24	25
SO2	ARITHMETIC MEAN	DOWN	4	0.010	0.010	0.009	0.009	0.008	0.007	0.007	0.006	0.006
	SECOND MAX 24-HOUR	DOWN	4	0.055	0.037	0.052	0.042	0.045	0.031	0.031	0.034	0.027
GLENS FALLS, NY												
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.006	0.005	0.004	0.005	0.004	0.004	0.004	0.003
	SECOND MAX 24-HOUR	DOWN	1	0.031	0.029	0.040	0.023	0.040	0.020	0.017	0.018	0.027
GRAND FORKS, ND-MN												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	53	53	104	57	57	38	36
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	24	24	25	20	18	17	16
GRAND RAPIDS-MUSKEGON-HOLLAND, MI												
CO	SECOND MAX 8-HOUR	NS	1	5.2	4.9	4.1	4.5	3.5	4.0	3.2	3.2	4.6
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.11	0.09	0.04	0.03	0.02	0.02	0.02	0.01	0.01
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.13	0.14	0.12	0.12	0.12	0.10	0.09	0.10
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	60	60	69	62	122	65	68
	WEIGHTED ANNUAL MEAN	NS	2	—	—	29	29	30	26	35	22	27

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	1 1	0.004 0.018	0.004 0.017	0.003 0.016	0.004 0.016	0.004 0.012	0.003 0.013	0.003 0.015	0.003 0.012	0.003 0.013	0.002 0.011
GREAT FALLS, MT													
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS NS	1 1	— —	— 20	65 20	65 20	61 24	72 21	53 21	61 21	48 21	52 18
GREELEY, CO													
CO	SECOND MAX 8-HOUR	DOWN	1	11.6	10.5	9.2	7.3	7.1	7.8	7.5	5.8	5.2	5.3
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.09	0.10	0.10	0.11	0.10	0.08	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	1 1	— —	— 30	73 30	73 30	66 25	80 26	60 25	99 23	57 23	59 20
GREEN BAY, WI													
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	1 1	0.008 0.066	0.006 0.045	0.006 0.039	0.006 0.024	0.005 0.020	0.005 0.042	0.004 0.021	0.003 0.018	0.003 0.015	0.004 0.018
GREENSBORO-WINSTON-SALEM-HIGH POINT, NC													
NO2	ARITHMETIC MEAN	NS	1	0.018	0.018	0.018	0.016	0.017	0.016	0.015	0.017	0.017	0.016
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.12	0.12	0.14	0.10	0.11	0.10	0.10	0.11	0.11	0.11
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	5 5	— —	— 33	66 33	66 33	60 32	61 31	51 27	57 28	43 25	57 26
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	NS NS	1 1	0.007 0.021	0.007 0.028	0.007 0.032	0.007 0.024	0.008 0.024	0.007 0.027	0.006 0.019	0.006 0.022	0.007 0.021	0.006 0.025
GREENVILLE-SPARTANBURG-ANDERSON, SC													
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.12	0.08	0.07	0.05	0.04	0.03	0.02	0.02	0.02	0.02
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.12	0.12	0.13	0.10	0.09	0.10	0.10	0.11	0.10	0.11
HAMILTON-MIDDLETOWN, OH													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.12	0.11	0.13	0.11	0.12	0.11	0.10	0.12	0.11	0.13
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS NS	1 1	— —	— 27	76 27	76 27	76 33	53 27	50 27	73 29	55 27	77 29
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	2 2	0.011 0.040	0.010 0.040	0.010 0.039	0.010 0.038	0.009 0.040	0.007 0.032	0.008 0.034	0.008 0.037	0.008 0.019	0.005 0.019
HARRISBURG-LEBANON-CARLISLE, PA													
CO	SECOND MAX 8-HOUR	DOWN	1	6.1	6.9	5.6	5.5	7.1	4.7	4.7	4.0	4.0	4.0
NO2	ARITHMETIC MEAN	NS	2	0.015	0.014	0.014	0.014	0.013	0.014	0.013	0.011	0.015	0.014
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.10	0.12	0.14	0.10	0.11	0.11	0.09	0.11	0.12	0.11
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS NS	2 2	— —	— 25	61 25	61 25	52 23	52 25	36 21	62 24	68 27	60 25
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	NS NS	2 2	0.006 0.029	0.006 0.025	0.006 0.024	0.006 0.029	0.005 0.021	0.006 0.021	0.005 0.022	0.006 0.021	0.007 0.035	0.005 0.017
HARTFORD, CT													
CO	SECOND MAX 8-HOUR	DOWN	2	7.3	7.5	8.3	6.7	6.7	6.1	6.1	5.6	6.4	5.8
NO2	ARITHMETIC MEAN	DOWN	1	0.022	0.020	0.020	0.020	0.019	0.020	0.017	0.018	0.020	0.017
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.12	0.14	0.17	0.15	0.15	0.16	0.12	0.15	0.13	0.14
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	8 8	— —	— 23	48 23	48 23	47 20	53 23	53 20	42 18	50 20	41 17
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	1 1	0.006 0.026	0.006 0.033	0.008 0.040	0.007 0.037	0.006 0.028	0.006 0.023	0.005 0.024	0.004 0.017	0.004 0.024	0.004 0.017
HONOLULU, HI													
CO	SECOND MAX 8-HOUR	DOWN	2	4.4	3.7	3.3	3.4	2.9	2.6	2.8	3.1	3.1	2.5
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.16	0.02	0.01	0.03	0.01	0.01	0.01	0.01	0.00	0.00
OZONE	SECOND DAILY MAX 1-HOUR	UP	1	0.04	0.04	0.03	0.05	0.05	0.05	0.06	0.06	0.06	0.06
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS NS	1 1	— —	— 16	26 16	26 16	34 16	35 17	25 17	23 16	28 19	25 15
HOUSTON, TX													
CO	SECOND MAX 8-HOUR	DOWN	4	7.3	6.7	6.5	5.8	6.8	6.0	6.8	5.6	4.9	4.0
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.11	0.06	0.06	0.03	0.02	0.02	0.01	0.01	0.01	0.01
NO2	ARITHMETIC MEAN	DOWN	4	0.024	0.024	0.023	0.022	0.023	0.022	0.022	0.019	0.021	0.021
OZONE	SECOND DAILY MAX 1-HOUR	NS	10	0.16	0.17	0.18	0.18	0.19	0.17	0.16	0.16	0.15	0.17
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	7 7	— —	— 33	63 33	63 33	65 33	64 32	70 31	68 30	61 31	64 30
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN NS	8 7	0.006 0.028	0.005 0.022	0.005 0.026	0.005 0.026	0.005 0.025	0.005 0.022	0.005 0.020	0.004 0.018	0.004 0.026	0.004 0.026
HUNTINGTON-ASHLAND, WV-KY-OH													
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.11	0.09	0.13	0.06	0.04	0.04	0.04	0.04	0.03	0.04
NO2	ARITHMETIC MEAN	NS	1	0.016	0.016	0.016	0.012	0.016	0.014	0.020	0.016	0.016	0.016
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.12	0.14	0.12	0.11	0.12	0.09	0.11	0.13	0.12
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	5 5	— —	— 36	91 36	91 36	79 35	59 33	64 29	63 29	71 32	58 29
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN	5	0.016	0.019	0.018	0.015	0.013	0.013	0.011	0.012	0.010	0.010
HUNTSVILLE, AL													
CO	SECOND MAX 8-HOUR	DOWN	1	5.0	5.0	5.0	5.2	4.2	4.1	4.2	4.0	3.5	3.6
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.11	0.13	0.09	0.09	0.11	0.11	0.11	0.11	0.10

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	1 1	— —	58 31	58 31	65 30	65 28	50 30	56 23	46 21	49 22	
INDIANAPOLIS, IN													
LEAD	MAX QUARTERLY MEAN	DOWN	4	1.05	0.56	0.68	0.53	0.68	0.30	0.26	0.11	0.20	0.06
OZONE	SECOND DAILY MAX 1-HOUR	NS	5	0.11	0.11	0.13	0.11	0.10	0.10	0.09	0.10	0.11	0.11
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS	14	—	—	73	73	76	63	56	63	63	60
SO2	ARITHMETIC MEAN	DOWN	8	0.011	0.011	0.011	0.011	0.009	0.008	0.008	0.009	0.007	0.006
	SECOND MAX 24-HOUR	DOWN	8	0.052	0.046	0.048	0.041	0.036	0.029	0.029	0.038	0.039	0.025
JACKSON, MS													
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.18	0.12	0.07	0.08	0.07	0.05	0.02	0.02	0.00	0.09
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.09	0.09	0.08	0.10	0.09	0.08	0.09	0.09	0.09
JACKSON, TN													
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS DOWN	2 2	— —	56 31	56 31	60 28	46 27	53 27	56 23	44 23	51 25	
JACKSONVILLE, FL													
CO	SECOND MAX 8-HOUR	DOWN	4	4.5	5.7	5.6	5.9	4.3	3.8	3.9	4.2	3.7	3.6
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.19	0.12	0.06	0.04	0.04	0.03	0.02	0.05	0.02	0.03
NO2	ARITHMETIC MEAN	NS	1	0.018	0.018	0.019	0.015	0.015	0.014	0.014	0.015	0.014	0.016
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.11	0.11	0.11	0.09	0.10	0.11	0.10	0.11
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS	3	—	—	59	59	59	54	47	60	49	53
SO2	ARITHMETIC MEAN	DOWN	3	—	—	36	36	34	32	26	27	26	27
	SECOND MAX 24-HOUR	DOWN	5	0.005	0.004	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.003
JAMESTOWN, NY													
SO2	ARITHMETIC MEAN	DOWN	1	0.014	0.013	0.014	0.014	0.012	0.013	0.011	0.011	0.010	0.010
	SECOND MAX 24-HOUR	NS	1	0.060	0.066	0.054	0.072	0.065	0.048	0.050	0.049	0.072	0.072
JANESVILLE-BELOIT, WI													
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.10	0.10	0.11	0.12	0.09	0.10	0.10	0.08	0.08	0.08
JERSEY CITY, NJ													
CO	SECOND MAX 8-HOUR	DOWN	1	9.7	8.0	7.8	7.3	7.2	7.5	6.0	5.6	5.9	6.2
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.15	0.10	0.11	0.07	0.05	0.06	0.04	0.04	0.03	0.04
NO2	ARITHMETIC MEAN	DOWN	1	0.032	0.031	0.033	0.031	0.030	0.028	0.028	0.027	0.026	0.026
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.13	0.16	0.20	0.12	0.18	0.14	0.11	0.13	0.12	0.13
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS	4	—	—	73	73	74	68	58	67	90	64
SO2	ARITHMETIC MEAN	DOWN	4	—	—	32	32	31	32	26	27	31	25
	SECOND MAX 24-HOUR	DOWN	2	0.013	0.012	0.015	0.014	0.013	0.012	0.010	0.009	0.009	0.007
JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA													
CO	SECOND MAX 8-HOUR	DOWN	1	3.9	4.8	4.3	3.7	3.4	3.3	3.0	6.5	3.4	3.0
NO2	ARITHMETIC MEAN	DOWN	1	0.019	0.020	0.019	0.019	0.019	0.019	0.018	0.017	0.017	0.018
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.09	0.12	0.11	0.12	0.12	0.10	0.13	0.10	0.11
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS	3	—	—	68	68	59	67	57	73	53	58
SO2	ARITHMETIC MEAN	DOWN	3	0.010	0.009	0.011	0.010	0.009	0.009	0.008	0.008	0.009	0.008
	SECOND MAX 24-HOUR	NS	3	0.043	0.046	0.049	0.053	0.044	0.044	0.039	0.042	0.045	0.039
JOHNSTOWN, PA													
CO	SECOND MAX 8-HOUR	DOWN	1	6.9	5.6	4.3	4.1	3.7	4.8	4.4	4.2	4.1	3.5
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.41	0.52	0.30	0.31	0.16	0.19	0.14	0.06	0.05	0.06
NO2	ARITHMETIC MEAN	DOWN	1	0.020	0.020	0.019	0.019	0.018	0.019	0.018	0.017	0.018	0.015
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.12	0.14	0.10	0.10	0.11	0.09	0.10	0.09	0.10
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	NS	1	—	—	70	70	58	70	56	63	69	61
SO2	ARITHMETIC MEAN	DOWN	1	—	—	33	33	28	33	28	27	29	27
	SECOND MAX 24-HOUR	NS	1	0.019	0.016	0.017	0.016	0.014	0.015	0.013	0.015	0.014	0.012
KALAMAZOO-BATTLE CREEK, MI													
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN	1	—	—	73	73	69	72	57	59	57	55
KANSAS CITY, MO-KS													
CO	SECOND MAX 8-HOUR	DOWN	5	5.4	5.4	4.4	4.6	4.4	3.8	3.5	4.1	4.3	3.4
LEAD	MAX QUARTERLY MEAN	DOWN	5	0.17	0.16	0.17	0.06	0.03	0.03	0.02	0.02	0.02	0.02
NO2	ARITHMETIC MEAN	DOWN	3	0.011	0.013	0.010	0.011	0.011	0.010	0.010	0.009	0.010	0.010
OZONE	SECOND DAILY MAX 1-HOUR	NS	5	0.12	0.12	0.13	0.10	0.10	0.10	0.10	0.10	0.10	0.13
PM-10	SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN	8	—	—	71	71	67	60	60	61	59	60
SO2	ARITHMETIC MEAN	DOWN	8	—	—	33	33	30	30	29	29	29	24
	SECOND MAX 24-HOUR	NS	5	0.006	0.006	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003
KENOSHA, WI													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.16	0.19	0.19	0.13	0.11	0.14	0.11	0.11	0.12	0.12
KNOXVILLE, TN													
CO	SECOND MAX 8-HOUR	DOWN	1	6.1	6.1	6.1	6.7	5.1	4.5	4.5	4.6	4.3	4.1

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.14	0.09	0.12	0.11	0.10	0.12	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	8	—	—	61	61	64	63	54	61	56	57
	WEIGHTED ANNUAL MEAN	NS	8	—	—	32	32	32	34	30	30	32	31
SO2	ARITHMETIC MEAN	NS	2	0.007	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007
	SECOND MAX 24-HOUR	UP	2	0.030	0.029	0.034	0.031	0.033	0.038	0.035	0.042	0.042	0.037
LAKE CHARLES, LA													
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.12	0.13	0.13	0.12	0.11	0.12	0.11	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	44	44	44	52	75	51	46	54
	WEIGHTED ANNUAL MEAN	NS	1	—	—	21	21	21	23	25	22	23	23
LAKELAND-WINTER HAVEN, FL													
SO2	ARITHMETIC MEAN	UP	1	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
	SECOND MAX 24-HOUR	NS	1	0.013	0.019	0.018	0.016	0.023	0.016	0.018	0.019	0.016	0.015
LANCASTER, PA													
CO	SECOND MAX 8-HOUR	NS	1	3.6	3.3	3.4	4.1	3.4	2.6	2.6	3.0	3.8	2.4
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.14	0.09	0.07	0.05	0.06	0.04	0.04	0.04	0.04	0.04
NO2	ARITHMETIC MEAN	NS	1	0.019	0.019	0.020	0.018	0.017	0.018	0.015	0.015	0.019	0.016
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.12	0.13	0.10	0.10	0.12	0.11	0.12	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	59	59	59	51	45	68	117	73
	WEIGHTED ANNUAL MEAN	NS	1	—	—	31	31	31	30	27	31	38	33
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.007	0.006	0.006
	SECOND MAX 24-HOUR	NS	1	0.032	0.027	0.028	0.037	0.028	0.023	0.023	0.026	0.030	0.018
LANSING-EAST LANSING, MI													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.10	0.12	0.10	0.10	0.11	0.09	0.10	0.09	0.10
LAREDO, TX													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	61	61	61	72	58	58	73	55
	WEIGHTED ANNUAL MEAN	NS	1	—	—	32	32	32	35	32	30	32	31
LAS CRUCES, NM													
CO	SECOND MAX 8-HOUR	NS	2	4.7	5.8	5.0	4.5	4.6	5.0	3.8	6.0	4.1	3.7
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.21	0.24	0.20	0.17	0.16	0.16	0.12	0.13	0.06	0.10
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	123	123	93	86	88	77	91	85
	WEIGHTED ANNUAL MEAN	NS	3	—	—	45	45	35	31	31	30	33	35
SO2	ARITHMETIC MEAN	DOWN	1	0.005	0.005	0.003	0.003	0.003	0.003	0.003	0.002	0.001	0.002
	SECOND MAX 24-HOUR	DOWN	1	0.036	0.021	0.031	0.017	0.018	0.020	0.016	0.012	0.005	0.006
LAS VEGAS, NV-AZ													
CO	SECOND MAX 8-HOUR	NS	1	11.7	11.7	14.4	12.2	14.1	12.1	9.7	9.9	10.6	9.2
NO2	ARITHMETIC MEAN	NS	1	0.022	0.028	0.031	0.034	0.037	0.030	0.028	0.029	0.027	0.027
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	3	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.10	0.09	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	5	—	—	110	110	122	105	62	79	74	70
	WEIGHTED ANNUAL MEAN	NS	5	—	—	45	45	46	43	33	32	34	34
LAWRENCE, MA-NH													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.12	0.14	0.11	0.10	0.13	0.10	0.11	0.11	0.10
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	39	39	39	35	48	46	35	28
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	21	21	21	18	19	18	16	13
SO2	ARITHMETIC MEAN	DOWN	2	0.010	0.010	0.008	0.009	0.008	0.007	0.008	0.008	0.006	0.006
	SECOND MAX 24-HOUR	DOWN	2	0.039	0.042	0.031	0.035	0.029	0.025	0.027	0.026	0.027	0.024
LAWTON, OK													
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	74	74	73	54	52	55	51	52
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	32	32	30	27	26	27	28	25
LEWISTON-AUBURN, ME													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	55	55	55	66	58	68	46	46
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	25	25	25	29	24	24	20	20
SO2	ARITHMETIC MEAN	DOWN	1	0.008	0.009	0.007	0.008	0.007	0.006	0.005	0.007	0.006	0.004
	SECOND MAX 24-HOUR	DOWN	1	0.039	0.034	0.044	0.035	0.027	0.023	0.020	0.026	0.025	0.020
LEXINGTON, KY													
CO	SECOND MAX 8-HOUR	DOWN	1	6.0	5.8	5.4	5.6	3.7	4.9	3.8	6.5	4.2	3.0
NO2	ARITHMETIC MEAN	NS	1	0.018	0.017	0.018	0.019	0.017	0.016	0.016	0.017	0.016	0.017
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.14	0.11	0.12	0.11	0.10	0.09	0.08	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	76	76	61	52	61	66	65	65
	WEIGHTED ANNUAL MEAN	NS	2	—	—	30	30	28	28	24	25	27	26
SO2	ARITHMETIC MEAN	NS	1	0.006	0.007	0.007	0.006	0.006	0.008	0.007	0.007	0.008	0.006
	SECOND MAX 24-HOUR	NS	1	0.019	0.031	0.027	0.034	0.020	0.026	0.030	0.026	0.037	0.016
LIMA, OH													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.08	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.11
SO2	ARITHMETIC MEAN	NS	1	0.005	0.006	0.006	0.006	0.005	0.006	0.004	0.005	0.004	0.003
	SECOND MAX 24-HOUR	NS	1	0.022	0.029	0.024	0.033	0.026	0.021	0.020	0.023	0.037	0.015
LINCOLN, NE													
CO	SECOND MAX 8-HOUR	NS	1	6.9	8.3	9.0	8.3	8.7	9.4	6.4	5.1	5.3	6.2
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.07	0.06	0.08	0.06	0.07	0.07	0.07	0.06	0.08	0.07
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	61	61	58	66	50	51	49	54
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	33	33	29	30	25	26	28	25

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
LITTLE ROCK-NORTH LITTLE ROCK, AR												
NO2	ARITHMETIC MEAN	NS	1	0.010	0.009	0.010	0.009	0.009	0.009	0.012	0.009	0.011
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.11	0.11	0.11	0.09	0.10	0.10	0.09	0.10	0.09
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	59	59	60	53	63	55	59
	WEIGHTED ANNUAL MEAN	NS	4	—	—	29	29	29	25	28	27	29
SO2	ARITHMETIC MEAN	UP	1	0.001	0.002	0.002	0.002	0.003	0.003	0.005	0.006	0.003
	SECOND MAX 24-HOUR	NS	1	0.015	0.006	0.016	0.010	0.014	0.012	0.012	0.017	0.009
LONGVIEW-MARSHALL, TX												
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.12	0.12	0.10	0.13	0.11	0.10	0.11	0.10
LOS ANGELES-LONG BEACH, CA												
CO	SECOND MAX 8-HOUR	DOWN	12	10.2	9.8	10.7	10.2	9.3	9.1	8.4	7.1	8.4
LEAD	MAX QUARTERLY MEAN	DOWN	6	0.34	0.24	0.15	0.09	0.08	0.09	0.06	0.06	0.05
NO2	ARITHMETIC MEAN	DOWN	13	0.049	0.045	0.048	0.046	0.042	0.043	0.040	0.038	0.040
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	14	0.23	0.22	0.23	0.22	0.19	0.20	0.20	0.18	0.17
PM-10	SECOND MAX 24-HOUR	DOWN	7	—	—	126	126	115	121	94	82	80
	WEIGHTED ANNUAL MEAN	DOWN	7	—	—	57	57	49	51	41	40	39
SO2	ARITHMETIC MEAN	DOWN	5	0.006	0.005	0.005	0.004	0.003	0.004	0.004	0.003	0.003
	SECOND MAX 24-HOUR	DOWN	5	0.019	0.016	0.019	0.015	0.012	0.012	0.014	0.010	0.008
LOUISVILLE, KY-IN												
CO	SECOND MAX 8-HOUR	DOWN	3	6.5	6.8	5.9	6.0	5.9	5.9	4.2	4.6	5.1
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.18	0.10	0.09	0.05	0.03	0.04	0.04	0.05	0.02
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.14	0.11	0.16	0.11	0.11	0.12	0.09	0.13	0.12
PM-10	SECOND MAX 24-HOUR	NS	5	—	—	71	71	67	61	53	66	63
	WEIGHTED ANNUAL MEAN	DOWN	5	—	—	35	35	34	33	31	30	29
SO2	ARITHMETIC MEAN	NS	4	0.009	0.009	0.010	0.010	0.010	0.010	0.009	0.010	0.010
	SECOND MAX 24-HOUR	DOWN	4	0.044	0.045	0.044	0.055	0.040	0.037	0.034	0.035	0.040
LOWELL, MA-NH												
CO	SECOND MAX 8-HOUR	NS	1	6.7	6.6	6.4	5.3	7.3	5.8	5.9	5.1	6.5
LUBBOCK, TX												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	94	94	61	79	58	56	81
	WEIGHTED ANNUAL MEAN	NS	1	—	—	34	34	24	26	22	20	23
LYNCHBURG, VA												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	54	54	51	53	45	63	40
	WEIGHTED ANNUAL MEAN	NS	1	—	—	30	30	24	28	24	26	23
MADISON, WI												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	90	90	54	55	39	43	50
	WEIGHTED ANNUAL MEAN	NS	1	—	—	34	34	24	25	22	21	23
MANSFIELD, OH												
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	56	56	56	62	68	66	58
	WEIGHTED ANNUAL MEAN	NS	1	—	—	27	27	27	27	26	28	25
MEDFORD-ASHLAND, OR												
CO	SECOND MAX 8-HOUR	DOWN	1	9.3	8.8	11.3	11.0	8.2	8.1	6.4	6.9	6.2
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.09	0.07	0.05	0.04	0.02	0.03	0.02	0.02	0.02
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	199	199	123	148	99	91	80
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	54	54	42	40	36	35	26
MEMPHIS, TN-AR-MS												
CO	SECOND MAX 8-HOUR	DOWN	4	9.1	8.7	5.7	7.9	7.4	6.1	7.3	7.6	7.1
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.20	0.16	0.08	0.16	0.09	0.04	0.10	0.12	0.09
NO2	ARITHMETIC MEAN	NS	1	0.024	0.034	0.032	0.026	0.023	0.024	0.026	0.026	0.027
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.13	0.12	0.13	0.11	0.12	0.11	0.11	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	65	65	51	57	62	60	59
	WEIGHTED ANNUAL MEAN	NS	2	—	—	31	31	27	28	29	27	27
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.007	0.005	0.006	0.005	0.005	0.006	0.005	0.003
	SECOND MAX 24-HOUR	DOWN	1	0.030	0.038	0.032	0.033	0.027	0.025	0.034	0.026	0.025
MERCED, CA												
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	137	137	153	122	82	119	109
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	52	52	53	52	46	43	39
MIAMI, FL												
CO	SECOND MAX 8-HOUR	NS	2	6.7	5.9	4.8	7.3	6.0	7.2	6.2	5.3	4.9
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.19	0.12	0.05	0.05	0.02	0.02	0.01	0.01	0.01
NO2	ARITHMETIC MEAN	DOWN	2	0.014	0.015	0.012	0.013	0.011	0.011	0.011	0.012	0.010
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	3	0.12	0.13	0.12	0.11	0.10	0.10	0.11	0.10	0.10
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	48	48	48	54	53	87	67
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	27	27	28	26	27	26	24
MIDDLESEX-SOMERSET-HUNTERDON, NJ												
CO	SECOND MAX 8-HOUR	DOWN	1	6.3	5.4	5.3	5.4	5.4	4.2	3.9	3.7	4.3
LEAD	MAX QUARTERLY MEAN	NS	1	0.37	0.17	0.38	0.38	0.30	1.15	1.22	0.33	0.12
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.14	0.16	0.19	0.13	0.14	0.13	0.12	0.11	0.12
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	61	61	58	58	48	56	45
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	30	30	27	27	23	23	21
SO2	ARITHMETIC MEAN	DOWN	1	0.011	0.011	0.012	0.010	0.007	0.007	0.006	0.005	0.004

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MILWAUKEE-WAUKESHA, WI	SECOND MAX 24-HOUR	DOWN	1	0.041	0.035	0.043	0.037	0.032	0.025	0.026	0.018	0.028	0.018
CO	SECOND MAX 8-HOUR	NS	5	5.0	4.5	4.2	3.9	4.5	3.8	3.3	4.3	4.6	3.0
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.24	0.13	0.12	0.07	0.08	0.06	0.05	0.04	0.03	0.04
NO2	ARITHMETIC MEAN	DOWN	2	0.023	0.023	0.023	0.024	0.022	0.021	0.021	0.020	0.021	0.021
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	6	0.13	0.17	0.15	0.13	0.11	0.14	0.10	0.10	0.12	0.12
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	84	84	78	64	53	61	63	63
	WEIGHTED ANNUAL MEAN	NS	4	—	—	35	35	33	29	26	26	28	27
SO2	ARITHMETIC MEAN	DOWN	2	0.007	0.005	0.006	0.006	0.006	0.006	0.005	0.003	0.004	0.003
	SECOND MAX 24-HOUR	NS	2	0.029	0.025	0.035	0.030	0.038	0.034	0.026	0.024	0.027	0.023
MINNEAPOLIS-ST. PAUL, MN-WI	SECOND MAX 24-HOUR	DOWN	3	10.0	9.5	7.8	10.0	6.0	6.9	5.6	5.3	5.7	5.7
CO	SECOND MAX 8-HOUR	DOWN	3	0.79	0.55	0.55	0.38	0.77	0.31	0.25	0.12	0.07	0.07
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.09	0.10	0.11	0.09	0.09	0.08	0.09	0.08	0.09	0.09
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	—	—	85	85	74	67	62	54	61	58
PM-10	SECOND MAX 24-HOUR	DOWN	8	—	—	31	31	29	27	24	23	24	25
	WEIGHTED ANNUAL MEAN	DOWN	8	—	—	31	31	32	34	32	31	29	29
SO2	ARITHMETIC MEAN	DOWN	1	0.008	0.005	0.003	0.003	0.004	0.003	0.003	0.002	0.002	0.002
	SECOND MAX 24-HOUR	DOWN	1	0.024	0.021	0.015	0.012	0.011	0.011	0.012	0.008	0.008	0.008
MOBILE, AL	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.10	0.10	0.09	0.10	0.07	0.10	0.09	0.09	0.11
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	62	62	57	59	69	68	60	53
	WEIGHTED ANNUAL MEAN	NS	4	—	—	31	31	31	32	34	32	31	29
SO2	ARITHMETIC MEAN	UP	1	0.007	0.009	0.008	0.008	0.008	0.009	0.010	0.010	0.011	0.009
	SECOND MAX 24-HOUR	NS	1	0.037	0.052	0.054	0.063	0.038	0.050	0.055	0.066	0.052	0.053
MODESTO, CA	SECOND MAX 8-HOUR	DOWN	1	11.1	8.6	9.7	11.8	10.5	9.4	5.9	6.6	6.3	5.4
CO	SECOND MAX 8-HOUR	DOWN	1	0.024	0.024	0.027	0.027	0.026	0.024	0.022	0.024	0.023	0.022
NO2	ARITHMETIC MEAN	DOWN	1	0.13	0.14	0.12	0.11	0.12	0.11	0.11	0.11	0.12	0.13
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	—	—	129	129	141	145	85	123	103	100
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	53	53	48	54	44	53	39	38
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	53	53	48	54	44	53	39	38
MONMOUTH-OCEAN, NJ	SECOND MAX 8-HOUR	DOWN	2	6.6	6.1	6.6	6.1	5.7	5.5	4.7	5.3	4.9	3.8
CO	SECOND MAX 8-HOUR	DOWN	2	—	—	72	72	72	58	79	81	99	111
MONROE, LA	SECOND MAX 24-HOUR	UP	1	—	—	30	30	30	25	28	27	34	36
PM-10	WEIGHTED ANNUAL MEAN	NS	1	—	—	23	23	27	26	24	23	25	26
MONTGOMERY, AL	SECOND MAX 24-HOUR	NS	1	—	—	40	40	58	60	48	48	45	55
PM-10	WEIGHTED ANNUAL MEAN	NS	1	—	—	23	23	19	17	17	15	14	14
NASHUA, NH	SECOND MAX 8-HOUR	NS	1	10.3	9.1	6.6	7.5	8.8	7.3	7.2	5.8	8.0	7.6
CO	SECOND MAX 8-HOUR	DOWN	2	0.03	0.03	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.020	0.020	0.024	0.022	0.019	0.016	0.015	0.016	0.015	0.013
NO2	ARITHMETIC MEAN	DOWN	2	0.11	0.09	0.14	0.09	0.10	0.10	0.10	0.11	0.10	0.10
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	—	—	44	44	41	50	49	39	38	31
PM-10	SECOND MAX 24-HOUR	DOWN	5	—	—	22	22	18	19	17	17	15	14
	WEIGHTED ANNUAL MEAN	DOWN	5	—	—	22	22	18	19	17	17	15	14
SO2	ARITHMETIC MEAN	DOWN	2	0.009	0.008	0.008	0.008	0.007	0.006	0.006	0.006	0.007	0.005
	SECOND MAX 24-HOUR	DOWN	2	0.032	0.036	0.044	0.038	0.036	0.026	0.028	0.024	0.031	0.023
NASHVILLE, TN	SECOND MAX 8-HOUR	DOWN	3	8.5	6.9	6.5	7.4	5.9	5.0	5.5	6.4	5.4	4.8
CO	SECOND MAX 8-HOUR	NS	4	1.48	1.16	1.29	0.66	1.45	1.21	1.05	0.91	0.98	1.93
LEAD	MAX QUARTERLY MEAN	NS	1	0.012	0.012	0.012	0.012	0.012	0.010	0.014	0.012	0.020	0.014
NO2	ARITHMETIC MEAN	NS	1	0.12	0.12	0.13	0.10	0.11	0.10	0.10	0.10	0.10	0.10
OZONE	SECOND DAILY MAX 1-HOUR	NS	6	—	—	76	76	75	71	60	79	65	66
PM-10	SECOND MAX 24-HOUR	NS	5	—	—	37	37	36	35	31	31	30	31
	WEIGHTED ANNUAL MEAN	DOWN	5	—	—	37	37	36	35	31	31	30	31
SO2	ARITHMETIC MEAN	DOWN	4	0.009	0.008	0.010	0.008	0.010	0.009	0.007	0.008	0.006	0.004
	SECOND MAX 24-HOUR	NS	4	0.059	0.041	0.062	0.077	0.065	0.067	0.035	0.057	0.052	0.032
NASSAU-SUFFOLK, NY	SECOND MAX 8-HOUR	DOWN	1	8.9	9.9	9.1	6.5	7.2	6.6	5.6	5.6	5.4	5.0
CO	SECOND MAX 8-HOUR	DOWN	1	0.032	0.032	0.033	0.029	0.028	0.029	0.026	0.026	0.028	0.025
NO2	ARITHMETIC MEAN	DOWN	1	0.16	0.17	0.16	0.15	0.14	0.18	0.13	0.13	0.13	0.15
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	—	—	0.010	0.009	0.009	0.008	0.008	0.007	0.005	0.005
SO2	ARITHMETIC MEAN	DOWN	2	0.009	0.009	0.008	0.010	0.009	0.009	0.008	0.008	0.007	0.005
	SECOND MAX 24-HOUR	DOWN	2	0.043	0.038	0.056	0.045	0.045	0.038	0.039	0.032	0.037	0.029
NEW BEDFORD, MA	SECOND DAILY MAX 1-HOUR	NS	1	0.14	0.12	0.16	0.12	0.13	0.13	0.11	0.09	0.10	0.14
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	39	39	39	51	42	44	49	28
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	23	23	23	20	17	17	19	14
NEW HAVEN-MERIDEN, CT	SECOND MAX 8-HOUR	DOWN	1	7.1	7.5	7.0	6.0	6.8	6.3	5.2	4.9	4.9	4.9
CO	SECOND MAX 8-HOUR	NS	1	0.029	0.028	0.029	0.028	0.027	0.028	0.025	0.027	0.030	0.025
NO2	ARITHMETIC MEAN	NS	1	0.16	0.15	0.17	0.15	0.13	0.16	0.12	0.14	0.14	0.14
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	—	—	62	62	71	76	70	69	68	55
PM-10	SECOND MAX 24-HOUR	NS	8	—	—	30	30	28	32	25	26	27	23
	WEIGHTED ANNUAL MEAN	NS	8	—	—	30	30	28	32	25	26	27	23

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
SO2	ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	2 2	0.012 0.051	0.012 0.054	0.015 0.071	0.012 0.071	0.010 0.045	0.010 0.055	0.009 0.042	0.008 0.038	0.008 0.049	0.006 0.031
NEW LONDON-NORWICH, CT-RI	OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN NS NS	1 3 3	0.14 — —	0.16 42 22	0.15 42 22	0.14 48 20	0.16 52 23	0.14 52 19	0.12 52 18	0.13 40 22	0.12 49 22	0.14 43 17
NEW ORLEANS, LA	SO2 ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	1 1	0.008 0.029	0.007 0.029	0.009 0.047	0.008 0.027	0.008 0.029	0.007 0.027	0.006 0.025	0.006 0.019	0.005 0.029	0.005 0.018
NEW YORK, NY	CO SECOND MAX 8-HOUR LEAD MAX QUARTERLY MEAN NO2 ARITHMETIC MEAN OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN DOWN NS DOWN DOWN	2 2 2 4 1 1	5.9 0.12 0.020 0.11 — 0.005	6.7 0.10 0.021 0.11 — 0.003	6.1 0.10 0.019 0.11 31 0.004	6.1 0.09 0.017 0.10 31 0.003	4.9 0.04 0.016 0.10 27 0.003	4.2 0.02 0.015 0.10 26 0.003	5.4 0.02 0.017 0.10 25 0.005	5.1 0.02 0.016 0.10 25 0.006	4.6 0.02 0.015 0.11 24 0.008	3.6 0.02 0.016 0.11 50 0.007
NEWARK, NJ	CO SECOND MAX 8-HOUR LEAD MAX QUARTERLY MEAN NO2 ARITHMETIC MEAN OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN DOWN NS DOWN DOWN	3 3 1 4 12 6	11.5 0.16 0.049 0.14 — 0.014	8.2 0.11 0.049 0.15 — 0.015	9.0 0.14 0.049 0.18 69 0.016	8.5 0.08 0.046 0.12 69 0.015	7.5 0.09 0.047 0.14 66 0.014	7.2 0.08 0.036 0.15 61 0.013	6.5 0.06 0.043 0.12 55 0.012	5.6 0.09 0.046 0.12 55 0.011	6.0 0.08 0.046 0.12 69 0.012	6.9 0.07 0.042 0.13 63 0.009
NEWBURGH, NY-PA	LEAD MAX QUARTERLY MEAN	DOWN	1	0.79	2.46	1.18	1.36	0.54	0.28	0.22	0.28	0.06	0.05
NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA-NC	CO SECOND MAX 8-HOUR LEAD MAX QUARTERLY MEAN OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN DOWN NS DOWN	2 1 3 3 4	6.5 0.10 0.15 — —	6.5 0.10 0.17 74 35	5.7 0.10 0.18 74 35	5.2 0.12 0.12 68 31	4.6 0.12 0.12 62 30	5.0 0.09 0.12 55 29	4.1 0.04 0.11 57 30	5.2 0.03 0.13 67 30	5.3 0.02 0.12 95 35	4.3 0.03 0.10 69 28
OAKLAND, CA	SO2 ARITHMETIC MEAN SECOND MAX 24-HOUR	DOWN DOWN	4 1	0.011 0.029	0.011 0.025	0.012 0.025	0.012 0.027	0.010 0.023	0.010 0.022	0.009 0.023	0.007 0.024	0.008 0.021	0.006 0.016
OKLAHOMA CITY, OK	CO SECOND MAX 8-HOUR LEAD MAX QUARTERLY MEAN NO2 ARITHMETIC MEAN OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN DOWN NS DOWN DOWN	6 5 3 7 3 3	5.4 0.13 0.023 0.10 — —	4.3 0.11 0.023 0.12 82 31	4.8 0.14 0.024 0.11 82 31	4.9 0.12 0.023 0.10 81 30	4.8 0.08 0.022 0.09 89 33	4.8 0.09 0.023 0.09 58 27	4.0 0.02 0.020 0.10 66 25	3.4 0.02 0.020 0.10 72 22	3.6 0.01 0.020 0.10 72 22	2.7 0.02 0.019 0.13 47
OLYMPIA, WA	PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN	1 1	— 0.012	— 0.012	118 28	118 28	86 24	99 25	78 24	78 24	63 17	65 17
OMAHA, NE-IA	CO SECOND MAX 8-HOUR LEAD MAX QUARTERLY MEAN OZONE SECOND DAILY MAX 1-HOUR PM-10 SECOND MAX 24-HOUR WEIGHTED ANNUAL MEAN	DOWN DOWN DOWN DOWN DOWN	2 5 3 7 7	5.2 0.76 0.08 — —	5.4 0.55 0.08 — —	5.5 0.79 0.09 53 42	4.8 0.67 0.08 53 42	5.2 0.54 0.07 47 37	5.8 0.44 0.08 45 36	5.9 0.69 0.08 55 36	5.3 0.55 0.06 45 31	4.0 0.55 0.07 42 33	5.5 0.73 0.08 51 30

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
ORANGE COUNTY, CA													
CO	SECOND MAX 8-HOUR	DOWN	3	7.4	7.8	8.4	8.7	7.7	6.9	7.2	5.5	7.2	5.9
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.21	0.15	0.09	0.08	0.06	0.06	0.03	0.05	0.04	0.04
NO2	ARITHMETIC MEAN	NS	2	0.043	0.040	0.044	0.045	0.046	0.044	0.039	0.037	0.040	0.038
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	4	0.18	0.20	0.21	0.21	0.18	0.18	0.18	0.16	0.17	0.13
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	96	96	95	97	79	78	83	124
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	45	45	45	41	37	36	36	41
SO2	ARITHMETIC MEAN	DOWN	2	0.004	0.004	0.004	0.003	0.002	0.002	0.002	0.002	0.002	0.002
	SECOND MAX 24-HOUR	DOWN	2	0.014	0.012	0.013	0.011	0.008	0.010	0.008	0.007	0.006	0.006
ORLANDO, FL													
CO	SECOND MAX 8-HOUR	DOWN	2	4.8	4.7	4.5	4.3	4.5	3.6	3.9	3.8	3.6	3.3
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.05	0.05	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.11	0.10	0.10	0.11	0.09	0.10	0.10	0.10	0.09
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	44	44	46	42	49	39	37	37
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	27	27	27	27	24	24	23	22
SO2	ARITHMETIC MEAN	NS	1	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
	SECOND MAX 24-HOUR	NS	1	0.010	0.008	0.010	0.006	0.011	0.007	0.007	0.011	0.012	0.006
OWENSBORO, KY													
CO	SECOND MAX 8-HOUR	NS	1	3.5	4.1	6.4	5.9	5.4	3.8	4.5	5.5	3.9	4.2
NO2	ARITHMETIC MEAN	NS	1	0.014	0.015	0.015	0.014	0.011	0.011	0.012	0.012	0.012	0.013
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.11	0.14	0.10	0.11	0.09	0.09	0.11	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	80	80	69	55	52	56	90	70
	WEIGHTED ANNUAL MEAN	NS	1	—	—	33	33	29	29	27	25	30	29
SO2	ARITHMETIC MEAN	NS	1	0.007	0.008	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.007
	SECOND MAX 24-HOUR	NS	1	0.027	0.033	0.040	0.053	0.038	0.044	0.053	0.050	0.035	0.028
PARKERSBURG-MARIETTA, WV-OH													
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.10	0.08	0.04	0.04	0.02	0.02	0.02	0.02	0.01	0.02
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.15	0.15	0.12	0.11	0.12	0.10	0.10	0.11	0.12
SO2	ARITHMETIC MEAN	NS	1	0.015	0.017	0.015	0.016	0.014	0.014	0.014	0.014	0.014	0.010
	SECOND MAX 24-HOUR	NS	1	0.072	0.070	0.076	0.076	0.064	0.060	0.059	0.065	0.084	0.041
PENSACOLA, FL													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.12
SO2	ARITHMETIC MEAN	NS	1	0.005	0.006	0.006	0.006	0.008	0.006	0.007	0.005	0.004	0.003
	SECOND MAX 24-HOUR	DOWN	1	0.042	0.086	0.072	0.057	0.078	0.056	0.057	0.032	0.039	0.019
PEORIA-PEKIN, IL													
CO	SECOND MAX 8-HOUR	DOWN	1	7.4	7.4	7.9	7.7	7.4	6.3	7.2	7.3	5.7	5.6
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.08	0.08	0.04	0.04	0.04	0.02	0.02	0.03	0.02	0.03
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.08	0.11	0.11	0.10	0.08	0.10	0.09	0.08	0.09	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	70	70	72	48	54	39	45	42
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	28	28	27	24	25	20	21	20
SO2	ARITHMETIC MEAN	DOWN	2	0.009	0.008	0.009	0.007	0.007	0.008	0.007	0.007	0.007	0.007
	SECOND MAX 24-HOUR	NS	2	0.066	0.058	0.062	0.046	0.054	0.065	0.043	0.039	0.050	0.084
PHILADELPHIA, PA-NJ													
CO	SECOND MAX 8-HOUR	DOWN	9	6.3	6.3	5.4	7.1	4.9	4.6	4.7	4.7	5.2	4.1
LEAD	MAX QUARTERLY MEAN	NS	10	0.88	0.77	0.50	0.38	0.54	0.35	0.56	0.86	0.54	0.69
NO2	ARITHMETIC MEAN	DOWN	5	0.032	0.033	0.031	0.030	0.028	0.028	0.028	0.026	0.028	0.027
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	8	0.14	0.16	0.18	0.13	0.13	0.14	0.11	0.13	0.12	0.13
PM-10	SECOND MAX 24-HOUR	NS	10	—	—	73	73	68	73	55	69	71	65
	WEIGHTED ANNUAL MEAN	NS	10	—	—	34	34	31	33	27	29	32	31
SO2	ARITHMETIC MEAN	DOWN	11	0.011	0.011	0.012	0.011	0.011	0.010	0.008	0.008	0.009	0.006
	SECOND MAX 24-HOUR	DOWN	11	0.044	0.046	0.053	0.046	0.040	0.035	0.035	0.030	0.038	0.026
PHOENIX-MESA, AZ													
CO	SECOND MAX 8-HOUR	DOWN	9	9.3	8.0	7.6	7.4	6.2	5.9	6.0	5.7	5.9	5.8
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.40	0.24	0.16	0.09	0.09	0.11	0.06	0.05	0.05	0.06
NO2	ARITHMETIC MEAN	DOWN	5	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.11	0.11	0.12
OZONE	SECOND DAILY MAX 1-HOUR	UP	9	—	—	113	113	85	84	97	79	83	88
PM-10	SECOND MAX 24-HOUR	NS	6	—	—	113	113	85	84	97	79	83	88
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	51	51	43	44	43	43	42	43
PINE BLUFF, AR													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	60	60	47	42	51	55	56	62
	WEIGHTED ANNUAL MEAN	NS	1	—	—	27	27	21	19	22	23	25	26
PITTSBURGH, PA													
CO	SECOND MAX 8-HOUR	DOWN	5	5.8	5.6	5.1	5.3	5.6	4.3	4.8	3.8	4.3	3.8
LEAD	MAX QUARTERLY MEAN	DOWN	4	0.18	0.12	0.13	0.12	0.09	0.09	0.07	0.07	0.08	0.08
NO2	ARITHMETIC MEAN	DOWN	5	0.023	0.025	0.023	0.023	0.023	0.023	0.022	0.022	0.023	0.021
OZONE	SECOND DAILY MAX 1-HOUR	NS	6	0.12	0.12	0.13	0.11	0.10	0.11	0.09	0.11	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	14	—	—	89	89	80	80	75	77	83	73
	WEIGHTED ANNUAL MEAN	DOWN	14	—	—	34	34	32	33	29	32	29	29
SO2	ARITHMETIC MEAN	DOWN	11	0.017	0.017	0.018	0.018	0.017	0.016	0.015	0.015	0.015	0.011
	SECOND MAX 24-HOUR	DOWN	11	0.090	0.080	0.081	0.078	0.076	0.057	0.071	0.063	0.073	0.048
PONCE, PR													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	96	96	77	58	64	66	64	57
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	46	46	38	30	29	30	27	24

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
PORTLAND-VANCOUVER, OR-WA													
CO	SECOND MAX 8-HOUR	DOWN	2	10.3	10.7	8.9	8.2	8.5	9.1	7.0	6.3	7.0	5.7
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.22	0.17	0.12	0.07	0.06	0.06	0.05	0.06	0.04	0.03
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.12	0.10	0.11	0.08	0.12	0.09	0.10	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	6	—	—	72	72	61	85	59	66	50	41
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	25	25	25	26	23	25	23	20
SO2	ARITHMETIC MEAN	NS	1	0.006	0.006	0.006	0.007	0.005	0.006	0.006	0.006	0.005	0.005
	SECOND MAX 24-HOUR	NS	1	0.019	0.018	0.018	0.023	0.019	0.024	0.017	0.026	0.013	0.013
PORTLAND, ME													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.14	0.17	0.13	0.13	0.14	0.12	0.11	0.12	0.12
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	56	56	42	54	57	48	51	49
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	26	26	23	25	23	21	21	21
SO2	ARITHMETIC MEAN	DOWN	1	0.011	0.011	0.010	0.010	0.009	0.009	0.008	0.009	0.008	0.006
	SECOND MAX 24-HOUR	DOWN	1	0.039	0.042	0.044	0.039	0.034	0.032	0.029	0.032	0.043	0.022
PORTSMOUTH-ROCHESTER, NH-ME													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.14	0.14	0.17	0.12	0.11	0.14	0.11	0.11	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	44	44	44	49	57	39	37	37
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	21	21	20	19	19	18	14	15
SO2	ARITHMETIC MEAN	NS	1	0.006	0.006	0.006	0.008	0.007	0.007	0.006	0.006	0.006	0.004
	SECOND MAX 24-HOUR	DOWN	1	0.026	0.030	0.034	0.029	0.025	0.021	0.027	0.019	0.022	0.018
PROVIDENCE-FALL RIVER-WARWICK, RI-MA													
CO	SECOND MAX 8-HOUR	DOWN	2	8.3	7.8	7.6	6.9	7.0	7.1	5.9	5.3	5.9	6.1
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.14	0.15	0.15	0.12	0.13	0.14	0.11	0.11	0.12	0.13
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	60	60	58	68	52	56	60	63
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	31	31	29	30	24	26	29	24
SO2	ARITHMETIC MEAN	DOWN	6	0.011	0.011	0.012	0.010	0.009	0.009	0.009	0.008	0.007	0.006
	SECOND MAX 24-HOUR	DOWN	6	0.046	0.050	0.052	0.043	0.039	0.040	0.043	0.034	0.034	0.023
PROVO-OREM, UT													
CO	SECOND MAX 8-HOUR	DOWN	2	12.2	10.6	9.5	12.3	13.1	9.5	8.8	7.6	7.4	6.3
NO2	ARITHMETIC MEAN	NS	1	0.024	0.024	0.028	0.028	0.025	0.022	0.019	0.026	0.024	0.023
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.10	0.10	0.11	0.11	0.09	0.08	0.09	0.08	0.08	0.08
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	222	222	115	220	202	194	106	94
	WEIGHTED ANNUAL MEAN	NS	3	—	—	49	49	32	42	37	38	34	29
PUEBLO, CO													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	75	75	52	57	54	51	54	86
	WEIGHTED ANNUAL MEAN	NS	1	—	—	33	33	26	30	26	26	30	26
RACINE, WI													
CO	SECOND MAX 8-HOUR	NS	1	3.4	6.7	7.4	6.4	5.5	5.7	4.9	4.1	4.3	4.3
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	1	0.15	0.18	0.18	0.14	0.11	0.14	0.10	0.10	0.11	0.11
RALEIGH-DURHAM-CHAPEL HILL, NC													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.13	0.16	0.10	0.10	0.11	0.08	0.10	0.10	0.10
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	60	60	50	51	46	47	37	48
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	29	29	29	26	24	25	22	23
RAPID CITY, SD													
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	68	68	76	138	80	88	79	75
	WEIGHTED ANNUAL MEAN	NS	2	—	—	26	26	27	28	25	23	29	24
READING, PA													
CO	SECOND MAX 8-HOUR	DOWN	1	5.9	5.3	5.2	5.0	6.4	4.6	4.6	3.8	5.4	3.9
LEAD	MAX QUARTERLY MEAN	DOWN	9	0.55	0.59	0.49	0.59	0.50	0.53	0.42	0.39	0.33	0.26
NO2	ARITHMETIC MEAN	DOWN	1	0.024	0.025	0.024	0.023	0.022	0.022	0.020	0.021	0.023	0.021
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.12	0.15	0.11	0.11	0.12	0.10	0.11	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	52	52	61	67	47	55	80	54
	WEIGHTED ANNUAL MEAN	NS	1	—	—	31	31	26	28	23	25	29	26
SO2	ARITHMETIC MEAN	DOWN	2	0.012	0.012	0.013	0.012	0.010	0.010	0.009	0.009	0.011	0.009
	SECOND MAX 24-HOUR	DOWN	2	0.050	0.042	0.053	0.048	0.038	0.034	0.033	0.032	0.040	0.033
REDDING, CA													
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	66	66	59	74	58	50	54	47
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	26	26	25	29	25	20	24	20
RENO, NV													
CO	SECOND MAX 8-HOUR	DOWN	2	11.6	8.6	8.6	9.1	8.3	9.2	7.4	5.8	6.9	5.3
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.12	0.10	0.10	0.10	0.11	0.09	0.08	0.09	0.09	0.08
PM-10	SECOND MAX 24-HOUR	DOWN	6	—	—	123	123	135	106	86	92	86	65
	WEIGHTED ANNUAL MEAN	NS	6	—	—	42	42	44	36	36	40	36	32
RICHLAND-KENNEWICK-PASCO, WA													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	175	175	382	281	85	136	103	103
	WEIGHTED ANNUAL MEAN	NS	1	—	—	29	29	40	31	24	28	27	27
RICHMOND-PETERSBURG, VA													
CO	SECOND MAX 8-HOUR	DOWN	2	4.5	6.0	4.1	4.0	4.4	3.7	2.5	3.9	3.4	2.6
NO2	ARITHMETIC MEAN	NS	1	0.022	0.026	0.026	0.025	0.023	0.024	0.023	0.024	0.024	0.022
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.12	0.13	0.14	0.11	0.11	0.11	0.12	0.12	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	54	54	59	59	44	55	37	53
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	28	28	25	26	22	23	21	23

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
SO2	ARITHMETIC MEAN	DOWN	1	0.007	0.007	0.009	0.008	0.006	0.006	0.005	0.007	0.006	0.005
	SECOND MAX 24-HOUR	DOWN	1	0.031	0.031	0.042	0.032	0.034	0.027	0.024	0.023	0.021	0.016
RIVERSIDE-SAN BERNARDINO, CA	CO SECOND MAX 8-HOUR	DOWN	7	4.5	4.5	4.7	5.1	4.4	5.1	3.6	3.5	3.5	3.3
LEAD MAX QUARTERLY MEAN	DOWN	4	0.16	0.12	0.08	0.06	0.05	0.06	0.03	0.04	0.04	0.04	0.04
NO2 ARITHMETIC MEAN	NS	8	0.028	0.028	0.029	0.030	0.028	0.029	0.027	0.027	0.028	0.028	0.028
OZONE SECOND DAILY MAX 1-HOUR	DOWN	14	0.22	0.22	0.23	0.22	0.22	0.21	0.20	0.18	0.19	0.18	
PM-10 SECOND MAX 24-HOUR	DOWN	9	—	—	211	211	158	128	98	100	93	112	
WEIGHTED ANNUAL MEAN	DOWN	9	—	—	67	67	61	56	48	47	45	46	
SO2 ARITHMETIC MEAN	NS	4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
SECOND MAX 24-HOUR	NS	4	0.007	0.007	0.012	0.012	0.007	0.008	0.009	0.007	0.004	0.004	0.005
ROANOKE, VA	NO2 ARITHMETIC MEAN	NS	1	0.014	0.016	0.016	0.014	0.013	0.014	0.013	0.014	0.013	0.013
OZONE SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.11	0.13	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09
PM-10 SECOND MAX 24-HOUR	NS	2	—	—	65	65	68	63	64	72	68	74	
WEIGHTED ANNUAL MEAN	NS	2	—	—	35	35	36	33	32	35	36	34	
SO2 ARITHMETIC MEAN	NS	1	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.003
SECOND MAX 24-HOUR	NS	1	0.015	0.015	0.018	0.022	0.018	0.019	0.016	0.018	0.011	0.011	0.010
ROCHESTER, MN	CO SECOND MAX 8-HOUR	DOWN	1	7.2	9.0	7.1	6.3	6.1	6.3	5.1	4.9	5.0	5.0
PM-10 SECOND MAX 24-HOUR	NS	1	—	—	64	64	89	43	44	38	43	49	
WEIGHTED ANNUAL MEAN	DOWN	1	—	—	30	30	28	23	21	20	21	19	
ROCHESTER, NY	CO SECOND MAX 8-HOUR	DOWN	2	5.0	3.8	4.0	3.6	3.5	3.3	3.5	3.2	4.5	3.2
LEAD MAX QUARTERLY MEAN	NS	1	0.10	0.10	0.09	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04
OZONE SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.11	0.13	0.10	0.11	0.11	0.09	0.09	0.09	0.09	0.11
PM-10 SECOND MAX 24-HOUR	NS	3	—	—	56	56	47	60	45	60	42	44	
WEIGHTED ANNUAL MEAN	DOWN	3	—	—	23	23	22	25	22	21	19	19	
SO2 ARITHMETIC MEAN	DOWN	2	0.013	0.011	0.012	0.013	0.012	0.011	0.011	0.010	0.011	0.010	0.010
SECOND MAX 24-HOUR	NS	2	0.041	0.045	0.037	0.054	0.040	0.043	0.039	0.041	0.042	0.038	
ROCKFORD, IL	CO SECOND MAX 8-HOUR	DOWN	1	9.2	8.0	8.1	6.6	6.5	5.1	4.6	4.3	4.0	4.5
LEAD MAX QUARTERLY MEAN	DOWN	1	0.07	0.05	0.13	0.07	0.09	0.04	0.06	0.03	0.04	0.03	0.03
OZONE SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.09	0.11	0.09	0.09	0.09	0.09	0.08	0.10	0.10	
PM-10 SECOND MAX 24-HOUR	DOWN	1	—	—	58	58	54	55	49	42	44	45	
WEIGHTED ANNUAL MEAN	DOWN	1	—	—	25	25	25	22	21	16	19	19	
SACRAMENTO, CA	CO SECOND MAX 8-HOUR	DOWN	4	8.7	9.3	10.4	9.7	9.4	8.1	6.9	6.9	7.1	5.0
LEAD MAX QUARTERLY MEAN	DOWN	2	0.12	0.11	0.08	0.07	0.10	0.04	0.02	0.05	0.02	0.02	0.02
NO2 ARITHMETIC MEAN	NS	3	0.014	0.016	0.018	0.017	0.017	0.014	0.016	0.016	0.013	0.013	
OZONE SECOND DAILY MAX 1-HOUR	NS	5	0.14	0.14	0.15	0.12	0.13	0.14	0.13	0.12	0.11	0.13	
PM-10 SECOND MAX 24-HOUR	NS	5	—	—	107	107	109	85	69	77	69		
WEIGHTED ANNUAL MEAN	DOWN	5	—	—	41	41	35	33	29	28	27	26	
SO2 ARITHMETIC MEAN	DOWN	1	0.001	0.005	0.010	0.006	0.006	0.003	0.002	0.001	0.001	0.001	
SECOND MAX 24-HOUR	DOWN	1	0.005	0.013	0.020	0.020	0.010	0.010	0.010	0.003	0.004	0.002	
SAGINAW-BAY CITY-MIDLAND, MI	PM-10 SECOND MAX 24-HOUR	DOWN	1	—	—	124	124	71	86	115	51	45	45
WEIGHTED ANNUAL MEAN	NS	1	—	—	30	30	26	30	29	22	22	22	
SALINAS, CA	CO SECOND MAX 8-HOUR	DOWN	1	2.3	2.3	2.3	2.3	2.5	2.1	2.3	2.1	2.0	1.9
NO2 ARITHMETIC MEAN	DOWN	1	0.014	0.013	0.014	0.014	0.012	0.012	0.012	0.012	0.012	0.012	0.011
OZONE SECOND DAILY MAX 1-HOUR	DOWN	2	0.08	0.08	0.08	0.10	0.08	0.08	0.07	0.08	0.08	0.08	0.07
PM-10 SECOND MAX 24-HOUR	NS	1	—	—	49	49	49	43	38	55	33	47	
WEIGHTED ANNUAL MEAN	DOWN	1	—	—	25	25	23	23	22	22	20	21	
SALT LAKE CITY-OGDEN, UT	CO SECOND MAX 8-HOUR	DOWN	2	11.1	8.7	7.7	7.3	6.9	7.8	7.6	6.5	6.4	5.7
LEAD MAX QUARTERLY MEAN	DOWN	3	0.18	0.16	0.16	0.13	0.08	0.08	0.05	0.06	0.05	0.05	0.05
NO2 ARITHMETIC MEAN	NS	1	0.025	0.024	0.026	0.027	0.019	0.020	0.022	0.025	0.026	0.024	
OZONE SECOND DAILY MAX 1-HOUR	NS	4	0.13	0.11	0.12	0.13	0.11	0.10	0.09	0.10	0.11	0.11	
PM-10 SECOND MAX 24-HOUR	NS	8	—	—	129	129	96	151	136	114	94	81	
WEIGHTED ANNUAL MEAN	DOWN	8	—	—	43	43	32	39	35	35	30	28	
SO2 ARITHMETIC MEAN	DOWN	4	0.009	0.008	0.010	0.010	0.008	0.009	0.008	0.007	0.004	0.003	
SECOND MAX 24-HOUR	DOWN	4	0.081	0.039	0.050	0.079	0.036	0.048	0.051	0.041	0.012	0.012	
SAN ANTONIO, TX	CO SECOND MAX 8-HOUR	DOWN	2	7.3	6.2	5.7	6.3	5.4	4.6	4.7	5.1	3.5	3.8
LEAD MAX QUARTERLY MEAN	DOWN	1	0.14	0.11	0.06	0.04	0.07	0.03	0.03	0.03	0.03	0.03	
OZONE SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.12	0.12	0.11	0.10	0.11	0.10	0.11	0.11	0.12	
PM-10 SECOND MAX 24-HOUR	DOWN	3	—	—	57	57	49	48	48	54	47	41	
WEIGHTED ANNUAL MEAN	DOWN	3	—	—	28	28	25	25	25	23	23	21	
SAN DIEGO, CA	CO SECOND MAX 8-HOUR	DOWN	6	5.9	5.4	5.8	6.4	5.4	5.0	4.8	4.3	4.6	4.0
LEAD MAX QUARTERLY MEAN	DOWN	1	0.15	0.09	0.06	0.04	0.08	0.03	0.03	0.04	0.01	0.02	

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
NO2	ARITHMETIC MEAN	DOWN	6	0.026	0.025	0.028	0.027	0.024	0.024	0.023	0.020	0.021	0.021
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	7	0.15	0.16	0.17	0.16	0.16	0.15	0.14	0.14	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	75	75	67	74	52	62	62	72
	WEIGHTED ANNUAL MEAN	NS	3	—	—	39	39	34	37	32	30	31	32
SO2	ARITHMETIC MEAN	NS	1	0.003	0.002	0.004	0.004	0.003	0.002	0.003	0.002	0.002	0.003
	SECOND MAX 24-HOUR	NS	1	0.010	0.009	0.013	0.016	0.015	0.020	0.022	0.010	0.015	0.015
SAN FRANCISCO, CA													
CO	SECOND MAX 8-HOUR	DOWN	4	7.3	6.1	6.4	5.9	5.7	6.2	4.8	4.6	4.3	3.7
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.16	0.12	0.11	0.11	0.09	0.05	0.02	0.02	0.02	0.02
NO2	ARITHMETIC MEAN	DOWN	2	0.024	0.023	0.025	0.025	0.022	0.024	0.022	0.022	0.021	0.020
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.08	0.09	0.09	0.08	0.06	0.06	0.06	0.08	0.07	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	84	84	93	84	75	72	65	42
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	33	33	28	32	29	27	25	21
SO2	ARITHMETIC MEAN	NS	1	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.001	0.002
	SECOND MAX 24-HOUR	NS	1	0.010	0.010	0.012	0.015	0.010	0.013	0.012	0.010	0.005	0.005
SAN JOSE, CA													
CO	SECOND MAX 8-HOUR	DOWN	3	8.4	5.8	7.9	8.9	8.2	8.0	5.7	5.2	5.9	4.7
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.22	0.19	0.12	0.12	0.08	0.04	0.03	0.02	0.02	0.02
NO2	ARITHMETIC MEAN	DOWN	1	0.033	0.031	0.032	0.032	0.030	0.031	0.028	0.024	0.024	0.024
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	4	0.12	0.13	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.12
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	126	126	120	112	94	73	81	49
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	40	40	36	35	31	25	27	22
SAN JUAN-BAYAMON, PR													
CO	SECOND MAX 8-HOUR	DOWN	2	6.1	5.7	5.4	5.5	5.3	5.3	5.3	4.5	4.8	4.9
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.30	0.24	0.05	0.05	0.03	0.03	0.05	0.01	0.01	0.01
PM-10	SECOND MAX 24-HOUR	DOWN	6	—	—	82	82	80	70	71	75	70	59
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	34	34	35	30	28	32	30	26
SO2	ARITHMETIC MEAN	UP	2	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.004
	SECOND MAX 24-HOUR	NS	2	0.017	0.015	0.023	0.014	0.016	0.015	0.022	0.013	0.015	0.019
SAN LUIS OBISPO-ATASCADERO-PASO ROBLES, CA													
CO	SECOND MAX 8-HOUR	DOWN	1	4.8	3.6	4.0	4.7	3.9	3.3	3.0	3.1	3.1	2.4
NO2	ARITHMETIC MEAN	DOWN	2	0.012	0.012	0.012	0.013	0.012	0.012	0.011	0.010	0.011	0.010
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	4	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	58	58	54	47	41	52	38	49
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	27	27	25	25	23	23	21	21
SO2	ARITHMETIC MEAN	NS	3	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
	SECOND MAX 24-HOUR	DOWN	3	0.010	0.005	0.006	0.006	0.005	0.006	0.005	0.003	0.004	0.004
SANTA BARBARA-SANTA MARIA-LOMPOC, CA													
CO	SECOND MAX 8-HOUR	DOWN	3	1.9	1.8	1.8	2.0	1.8	1.5	1.6	1.5	1.6	1.2
NO2	ARITHMETIC MEAN	DOWN	17	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	18	0.11	0.11	0.11	0.15	0.10	0.10	0.10	0.10	0.10	0.10
PM-10	SECOND MAX 24-HOUR	DOWN	12	—	—	53	53	49	45	46	52	44	44
	WEIGHTED ANNUAL MEAN	NS	12	—	—	25	25	24	23	23	25	23	24
SO2	ARITHMETIC MEAN	NS	12	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	SECOND MAX 24-HOUR	DOWN	12	0.004	0.004	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003
SANTA CRUZ-WATSONVILLE, CA													
CO	SECOND MAX 8-HOUR	NS	1	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.2	1.0
NO2	ARITHMETIC MEAN	NS	1	0.006	0.006	0.008	0.009	0.008	0.010	0.007	0.006	0.006	0.005
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.08	0.09	0.08	0.08	0.08	0.09	0.07	0.08	0.07	0.07
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	50	50	47	43	35	49	37	36
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	31	31	24	24	22	22	22	19
SANTA FE, NM													
CO	SECOND MAX 8-HOUR	DOWN	1	5.4	4.3	3.8	3.5	3.5	3.9	3.7	3.4	2.7	2.3
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	40	40	43	32	36	32	28	28
	WEIGHTED ANNUAL MEAN	DOWN	2	—	—	16	16	17	14	16	15	14	13
SANTA ROSA, CA													
CO	SECOND MAX 8-HOUR	DOWN	1	5.0	4.1	4.9	5.0	4.3	3.8	3.5	3.8	3.2	2.4
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.10	0.05	0.05	0.07	0.03	0.02	0.01	0.01	0.01	0.01
NO2	ARITHMETIC MEAN	NS	1	0.016	0.016	0.016	0.015	0.015	0.016	0.016	0.015	0.015	
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	2	0.08	0.10	0.10	0.09	0.08	0.09	0.08	0.08	0.08	0.08
PM-10	SECOND MAX 24-HOUR	DOWN	3	—	—	52	52	51	69	44	45	41	37
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	23	23	20	23	18	19	18	16
SARASOTA-BRADENTON, FL													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.08	0.08	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.09
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	48	48	48	52	66	77	48	40
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	28	28	28	25	27	27	23	21
SO2	ARITHMETIC MEAN	NS	1	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.003	0.002	
	SECOND MAX 24-HOUR	NS	1	0.008	0.008	0.012	0.017	0.016	0.034	0.021	0.018	0.017	0.010
SAVANNAH, GA													
SO2	ARITHMETIC MEAN	NS	1	0.002	0.002	0.007	0.003	0.002	0.002	0.002	0.003	0.003	0.004
	SECOND MAX 24-HOUR	NS	1	0.010	0.010	0.046	0.013	0.008	0.009	0.008	0.011	0.015	0.013

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area	Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
SCRANTON—WILKES-BARRE—HAZLETON, PA													
CO	SECOND MAX 8-HOUR	DOWN	2	6.1	4.8	4.8	4.1	4.5	4.2	3.8	2.9	3.6	
NO ₂	ARITHMETIC MEAN	DOWN	2	0.019	0.020	0.018	0.019	0.018	0.017	0.016	0.018	0.018	
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.09	0.11	0.13	0.10	0.10	0.12	0.09	0.11	0.10	
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	58	58	61	65	45	69	61	
	WEIGHTED ANNUAL MEAN	NS	3	—	—	29	29	25	29	25	26	28	
SO ₂	ARITHMETIC MEAN	DOWN	2	0.011	0.011	0.010	0.009	0.010	0.009	0.008	0.007	0.007	
	SECOND MAX 24-HOUR	DOWN	2	0.057	0.048	0.051	0.047	0.049	0.038	0.033	0.026	0.035	
SEATTLE-BELLEVUE-EVERETT, WA													
CO	SECOND MAX 8-HOUR	DOWN	5	9.9	9.3	9.1	8.5	7.3	7.4	7.5	5.6	5.4	
LEAD	MAX QUARTERLY MEAN	NS	2	0.91	0.29	0.47	0.21	0.35	0.30	0.22	0.20	0.32	
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.09	0.11	0.08	0.12	0.10	0.09	0.10	0.09	
PM-10	SECOND MAX 24-HOUR	DOWN	7	—	—	96	96	83	93	74	75	59	
	WEIGHTED ANNUAL MEAN	DOWN	7	—	—	32	32	29	30	29	28	23	
SO ₂	ARITHMETIC MEAN	NS	1	0.008	0.007	0.007	0.006	0.009	0.010	0.010	0.009	0.007	
	SECOND MAX 24-HOUR	DOWN	1	0.031	0.023	0.028	0.022	0.026	0.028	0.024	0.022	0.016	0.020
SHARON, PA													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.12	0.14	0.11	0.10	0.11	0.10	0.11	0.11	
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	88	88	68	73	58	56	68	
	WEIGHTED ANNUAL MEAN	NS	1	—	—	35	35	30	36	27	28	30	
SO ₂	ARITHMETIC MEAN	DOWN	1	0.010	0.009	0.011	0.011	0.010	0.008	0.008	0.008	0.008	
	SECOND MAX 24-HOUR	DOWN	1	0.053	0.037	0.054	0.043	0.037	0.032	0.030	0.029	0.047	
SHREVEPORT-BOSSIER CITY, LA													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.11	0.11	0.12	0.11	0.10	0.10	0.11	0.09	
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	47	47	47	100	44	52	51	
	WEIGHTED ANNUAL MEAN	NS	1	—	—	23	23	23	28	24	22	24	
SO ₂	ARITHMETIC MEAN	NS	1	0.002	0.003	0.003	0.004	0.002	0.002	0.003	0.004	0.002	
	SECOND MAX 24-HOUR	NS	1	0.007	0.010	0.009	0.023	0.006	0.009	0.013	0.011	0.008	
SIOUX CITY, IA-NE													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	75	75	69	66	87	44	69	
	WEIGHTED ANNUAL MEAN	NS	1	—	—	28	28	28	28	25	23	26	
SIOUX FALLS, SD													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	54	54	46	44	43	48	43	
	WEIGHTED ANNUAL MEAN	NS	1	—	—	22	22	20	19	19	15	20	
SOUTH BEND, IN													
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.10	0.10	0.12	0.08	0.09	0.10	0.10	0.09	0.10	
PM-10	SECOND MAX 24-HOUR	DOWN	2	—	—	71	71	89	63	64	59	61	
	WEIGHTED ANNUAL MEAN	NS	2	—	—	30	30	31	30	23	24	22	
SPOKANE, WA													
CO	SECOND MAX 8-HOUR	DOWN	1	15.9	19.0	13.8	12.3	11.5	11.0	9.9	9.8	8.1	
PM-10	SECOND MAX 24-HOUR	DOWN	4	—	—	142	142	173	93	143	120	85	
	WEIGHTED ANNUAL MEAN	DOWN	4	—	—	46	46	45	40	40	37	31	
SPRINGFIELD, IL													
CO	SECOND MAX 8-HOUR	DOWN	1	5.3	4.6	4.8	4.4	4.4	4.3	4.5	3.9	3.1	
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.11	0.10	0.11	0.11	0.10	0.10	0.09	0.11	0.10	
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	66	66	66	49	54	42	53	
	WEIGHTED ANNUAL MEAN	NS	1	—	—	25	25	25	25	27	19	22	
SO ₂	ARITHMETIC MEAN	DOWN	1	0.008	0.008	0.007	0.007	0.007	0.008	0.006	0.006	0.006	
	SECOND MAX 24-HOUR	NS	1	0.051	0.039	0.074	0.047	0.053	0.048	0.043	0.040	0.050	
SPRINGFIELD, MA													
CO	SECOND MAX 8-HOUR	NS	1	9.7	8.9	7.0	7.0	7.0	6.1	7.3	6.7	7.8	
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.23	0.14	0.09	0.06	0.05	0.03	0.04	0.02	0.01	
NO ₂	ARITHMETIC MEAN	NS	1	0.009	0.008	0.009	0.008	0.009	0.009	0.008	0.007	0.008	
OZONE	SECOND DAILY MAX 1-HOUR	NS	4	0.14	0.12	0.16	0.12	0.12	0.13	0.12	0.13	0.12	
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	49	49	52	50	56	50	43	
	WEIGHTED ANNUAL MEAN	NS	4	—	—	25	25	22	22	20	20	19	
SO ₂	ARITHMETIC MEAN	DOWN	8	0.012	0.011	0.011	0.009	0.009	0.009	0.008	0.007	0.007	
	SECOND MAX 24-HOUR	DOWN	8	0.042	0.044	0.054	0.033	0.035	0.031	0.029	0.023	0.033	
SPRINGFIELD, MO													
CO	SECOND MAX 8-HOUR	DOWN	1	9.5	7.5	6.9	6.7	7.2	6.9	6.2	5.3	5.9	
NO ₂	ARITHMETIC MEAN	NS	1	0.010	0.010	0.010	0.010	0.008	0.008	0.010	0.011	0.013	
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.09	0.09	0.07	0.08	0.07	0.08	0.08	0.09	
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	42	42	42	33	42	37	38	
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	22	22	22	18	19	17	17	
SO ₂	ARITHMETIC MEAN	NS	2	0.006	0.007	0.006	0.006	0.006	0.003	0.004	0.006	0.007	
	SECOND MAX 24-HOUR	NS	2	0.058	0.079	0.057	0.052	0.057	0.033	0.033	0.040	0.067	
ST. JOSEPH, MO													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	100	100	104	120	89	100	77	
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	45	45	40	44	39	32	34	
ST. LOUIS, MO-IL													
CO	SECOND MAX 8-HOUR	DOWN	7	5.5	6.2	4.6	4.8	4.0	4.1	3.3	3.3	3.3	
LEAD	MAX QUARTERLY MEAN	DOWN	11	1.45	1.15	2.16	0.87	0.76	0.66	0.70	0.54	0.61	

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
NO2	ARITHMETIC MEAN	DOWN	8	0.020	0.021	0.020	0.019	0.018	0.018	0.019	0.018	0.019	0.019
OZONE	SECOND DAILY MAX 1-HOUR	NS	16	0.12	0.13	0.13	0.11	0.11	0.11	0.10	0.11	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	15	—	—	84	84	78	62	67	62	67	64
	WEIGHTED ANNUAL MEAN	DOWN	15	—	—	37	37	33	32	32	28	31	30
SO2	ARITHMETIC MEAN	DOWN	15	0.013	0.013	0.012	0.012	0.011	0.010	0.009	0.009	0.009	0.008
	SECOND MAX 24-HOUR	DOWN	15	0.064	0.054	0.056	0.056	0.042	0.042	0.038	0.041	0.039	0.037
STAMFORD-NORWALK, CT													
CO	SECOND MAX 8-HOUR	DOWN	1	7.7	6.3	6.9	6.0	6.3	6.0	5.5	5.2	6.2	5.4
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.14	0.17	0.22	0.16	0.14	0.15	0.11	0.15	0.16	0.14
PM-10	SECOND MAX 24-HOUR	NS	4	—	—	59	59	62	59	48	48	64	48
	WEIGHTED ANNUAL MEAN	NS	4	—	—	28	28	29	31	23	22	27	23
SO2	ARITHMETIC MEAN	NS	1	0.005	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.006	0.004
	SECOND MAX 24-HOUR	NS	1	0.028	0.021	0.031	0.029	0.024	0.025	0.022	0.020	0.028	0.023
STEUBENVILLE-WEIRTON, OH-WV													
CO	SECOND MAX 8-HOUR	DOWN	1	9.1	30.3	19.6	13.3	20.5	13.9	6.9	6.6	8.2	5.7
LEAD	MAX QUARTERLY MEAN	DOWN	1	0.19	0.17	0.05	0.09	0.08	0.07	0.14	0.07	0.07	0.05
NO2	ARITHMETIC MEAN	NS	1	0.020	0.020	0.021	0.023	0.020	0.021	0.019	0.017	0.020	0.020
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.15	0.11	0.12	0.10	0.09	0.11	0.09	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	6	—	—	121	121	95	102	84	93	109	90
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	42	42	37	40	36	34	35	34
SO2	ARITHMETIC MEAN	DOWN	5	0.026	0.024	0.026	0.026	0.025	0.024	0.019	0.019	0.018	0.012
	SECOND MAX 24-HOUR	DOWN	5	0.100	0.097	0.088	0.092	0.086	0.078	0.076	0.085	0.093	0.049
STOCKTON-LODI, CA													
CO	SECOND MAX 8-HOUR	NS	1	6.5	6.3	8.4	7.5	10.9	8.4	5.1	5.1	6.4	4.4
NO2	ARITHMETIC MEAN	NS	1	0.023	0.025	0.026	0.026	0.026	0.025	0.024	0.024	0.024	0.022
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.12	0.12	0.12	0.11	0.12	0.11	0.11	0.11	0.12	0.13
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	128	128	138	134	88	103	93	93
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	51	51	51	52	45	39	37	31
SYRACUSE, NY													
CO	SECOND MAX 8-HOUR	DOWN	1	11.3	9.4	7.8	9.7	6.8	8.4	7.5	5.6	6.5	3.3
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	66	66	62	74	62	67	59	51
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	32	32	27	29	27	24	24	22
TACOMA, WA													
CO	SECOND MAX 8-HOUR	DOWN	1	10.5	10.5	11.6	10.3	8.0	8.7	8.9	5.9	6.0	6.3
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.10	0.11	0.09	0.13	0.09	0.10	0.10	0.11	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	4	—	—	106	106	91	94	89	78	66	67
	WEIGHTED ANNUAL MEAN	DOWN	4	—	—	36	36	32	32	33	30	25	25
SO2	ARITHMETIC MEAN	NS	2	0.007	0.007	0.007	0.007	0.008	0.008	0.009	0.009	0.007	0.006
	SECOND MAX 24-HOUR	DOWN	2	0.028	0.028	0.028	0.027	0.026	0.022	0.030	0.024	0.021	0.019
TAMPA-ST. PETERSBURG-CLEARWATER, FL													
CO	SECOND MAX 8-HOUR	DOWN	6	3.6	3.7	4.4	3.7	3.8	2.9	2.9	2.6	2.2	2.8
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	5	0.12	0.12	0.11	0.10	0.11	0.10	0.09	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	50	50	46	48	55	55	59	52
	WEIGHTED ANNUAL MEAN	DOWN	3	—	—	29	29	28	29	26	27	26	25
SO2	ARITHMETIC MEAN	DOWN	6	0.006	0.006	0.006	0.007	0.006	0.004	0.004	0.004	0.004	0.004
	SECOND MAX 24-HOUR	DOWN	6	0.027	0.028	0.028	0.027	0.026	0.022	0.022	0.024	0.024	0.021
TERRE HAUTE, IN													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.11	0.08	0.11	0.11	0.10	0.08	0.09	0.11	0.10
PM-10	SECOND MAX 24-HOUR	DOWN	5	—	—	87	87	88	75	61	63	54	62
	WEIGHTED ANNUAL MEAN	DOWN	5	—	—	33	33	33	30	26	25	25	27
SO2	ARITHMETIC MEAN	NS	2	0.010	0.009	0.008	0.009	0.011	0.011	0.007	0.009	0.010	0.007
	SECOND MAX 24-HOUR	NS	2	0.050	0.038	0.035	0.043	0.038	0.037	0.033	0.038	0.039	0.029
TEXARKANA, TX-TEXARKANA, AR													
PM-10	SECOND MAX 24-HOUR	UP	1	—	—	40	40	48	45	50	44	52	55
	WEIGHTED ANNUAL MEAN	NS	1	—	—	26	26	24	22	23	22	23	26
TOLEDO, OH													
LEAD	MAX QUARTERLY MEAN	NS	1	1.29	0.65	0.54	0.48	0.79	0.48	0.57	0.63	0.70	0.43
OZONE	SECOND DAILY MAX 1-HOUR	NS	2	0.11	0.11	0.13	0.10	0.10	0.11	0.09	0.11	0.11	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	64	64	59	60	53	63	58	50
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	36	36	26	29	28	25	26	25
SO2	ARITHMETIC MEAN	DOWN	2	0.008	0.009	0.009	0.007	0.006	0.006	0.006	0.007	0.007	0.004
	SECOND MAX 24-HOUR	NS	2	0.040	0.043	0.041	0.040	0.033	0.021	0.029	0.028	0.047	0.024
TOPEKA, KS													
LEAD	MAX QUARTERLY MEAN	DOWN	5	0.06	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	66	66	66	56	58	48	49	65
	WEIGHTED ANNUAL MEAN	NS	1	—	—	40	40	33	26	28	27	29	34
TRENTON, NJ													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.13	0.16	0.20	0.14	0.14	0.15	0.15	0.14	0.14	0.13
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	66	66	68	58	49	66	64	45
	WEIGHTED ANNUAL MEAN	NS	1	—	—	30	30	29	31	26	27	29	24
TULSA, OK													
CO	SECOND MAX 8-HOUR	DOWN	2	4.9	6.3	4.2	5.6	4.7	4.6	5.1	3.9	3.9	3.4

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
LEAD	MAX QUARTERLY MEAN	NS	1	0.13	0.13	0.13	0.20	0.11	0.21	0.10	0.20	0.10	0.09
NO ₂	ARITHMETIC MEAN	NS	2	0.015	0.012	0.013	0.014	0.011	0.013	0.013	0.013	0.013	0.010
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.12	0.11	0.12	0.11	0.12	0.11	0.10	0.11	0.11	0.12
PM-10	SECOND MAX 24-HOUR	NS	5	—	—	77	77	61	59	53	61	50	53
	WEIGHTED ANNUAL MEAN	NS	5	—	—	28	28	24	25	24	26	26	26
SO ₂	ARITHMETIC MEAN	NS	2	0.016	0.008	0.009	0.006	0.009	0.009	0.009	0.006	0.005	0.007
	SECOND MAX 24-HOUR	DOWN	2	0.055	0.058	0.045	0.035	0.045	0.052	0.048	0.035	0.031	0.032
TUSCALOOSA, AL													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	59	59	70	62	45	66	48	63
	WEIGHTED ANNUAL MEAN	NS	1	—	—	29	29	32	28	26	26	26	27
TUSCON, AZ													
CO	SECOND MAX 8-HOUR	DOWN	3	6.4	5.2	6.8	5.7	4.6	4.4	4.6	4.5	4.4	4.3
OZONE	SECOND DAILY MAX 1-HOUR	UP	5	0.09	0.08	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09
PM-10	SECOND MAX 24-HOUR	DOWN	10	—	—	90	90	87	55	53	44	40	53
	WEIGHTED ANNUAL MEAN	DOWN	10	—	—	39	39	33	25	23	22	21	25
TYLER, TX													
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	48	48	48	37	41	53	40	51
	WEIGHTED ANNUAL MEAN	NS	1	—	—	21	21	21	19	19	17	18	20
UTICA-ROME, NY													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.09	0.11	0.12	0.09	0.10	0.10	0.09	0.09	0.09	0.10
VALLEJO-FAIRFIELD-NAPA, CA													
CO	SECOND MAX 8-HOUR	DOWN	2	7.9	6.6	7.3	7.4	6.9	6.6	5.6	5.6	5.2	4.2
LEAD	MAX QUARTERLY MEAN	DOWN	2	0.22	0.11	0.09	0.09	0.06	0.04	0.02	0.02	0.02	0.02
NO ₂	ARITHMETIC MEAN	DOWN	2	0.018	0.018	0.018	0.018	0.018	0.018	0.016	0.014	0.014	0.014
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.08	0.10	0.10	0.10	0.09	0.10	0.09	0.10	0.10	0.11
PM-10	SECOND MAX 24-HOUR	NS	1	—	—	94	94	94	98	69	46	57	51
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	27	27	27	41	24	23	21	19
SO ₂	ARITHMETIC MEAN	UP	2	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	SECOND MAX 24-HOUR	NS	2	0.007	0.009	0.006	0.009	0.009	0.008	0.010	0.008	0.008	0.008
VENTURA, CA													
CO	SECOND MAX 8-HOUR	DOWN	2	4.3	3.9	3.3	3.0	3.3	3.1	2.3	2.5	2.8	3.2
NO ₂	ARITHMETIC MEAN	DOWN	4	0.017	0.015	0.016	0.017	0.016	0.015	0.014	0.014	0.014	0.014
OZONE	SECOND DAILY MAX 1-HOUR	DOWN	6	0.15	0.15	0.14	0.15	0.13	0.14	0.13	0.12	0.13	0.13
PM-10	SECOND MAX 24-HOUR	DOWN	6	—	—	74	74	83	69	63	55	51	60
	WEIGHTED ANNUAL MEAN	DOWN	6	—	—	38	38	34	35	30	27	29	27
SO ₂	ARITHMETIC MEAN	NS	1	0.003	0.001	0.003	0.001	0.001	0.001	0.001	0.002	0.002	0.002
	SECOND MAX 24-HOUR	NS	1	0.011	0.010	0.015	0.007	0.005	0.005	0.008	0.007	0.007	0.007
VINELAND-MILLVILLE-BRIDGETON, NJ													
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.14	0.15	0.13	0.13	0.12	0.10	0.12	0.10	0.13
SO ₂	ARITHMETIC MEAN	DOWN	1	0.008	0.007	0.008	0.008	0.006	0.007	0.006	0.006	0.005	0.004
	SECOND MAX 24-HOUR	DOWN	1	0.039	0.038	0.034	0.049	0.024	0.023	0.021	0.019	0.032	0.016
VISALIA-TULARE-PORTERVILLE, CA													
CO	SECOND MAX 8-HOUR	DOWN	1	6.2	5.5	5.6	5.9	5.0	5.3	4.3	3.5	4.0	4.2
NO ₂	ARITHMETIC MEAN	NS	1	0.025	0.019	0.023	0.021	0.021	0.022	0.020	0.023	0.023	0.023
OZONE	SECOND DAILY MAX 1-HOUR	NS	3	0.13	0.13	0.12	0.13	0.12	0.12	0.12	0.13	0.13	0.13
PM-10	SECOND MAX 24-HOUR	DOWN	1	—	—	171	171	207	135	114	107	93	120
	WEIGHTED ANNUAL MEAN	DOWN	1	—	—	67	67	79	66	56	53	48	53
WASHINGTON, DC-MD-VA-WV													
CO	SECOND MAX 8-HOUR	DOWN	9	6.8	7.6	6.8	6.5	5.5	5.5	4.5	5.2	4.6	4.4
LEAD	MAX QUARTERLY MEAN	DOWN	3	0.14	0.06	0.03	0.05	0.05	0.03	0.01	0.01	0.02	0.01
NO ₂	ARITHMETIC MEAN	NS	7	0.028	0.027	0.025	0.025	0.027	0.026	0.026	0.026	0.026	0.023
OZONE	SECOND DAILY MAX 1-HOUR	NS	13	0.11	0.13	0.15	0.11	0.11	0.12	0.11	0.12	0.12	0.12
PM-10	SECOND MAX 24-HOUR	DOWN	11	—	—	68	68	59	55	43	54	49	49
	WEIGHTED ANNUAL MEAN	DOWN	11	—	—	31	31	28	27	23	23	23	23
SO ₂	ARITHMETIC MEAN	DOWN	5	0.009	0.009	0.009	0.010	0.009	0.009	0.009	0.009	0.009	0.007
	SECOND MAX 24-HOUR	NS	5	0.032	0.030	0.030	0.036	0.030	0.029	0.032	0.027	0.032	0.020
WATERBURY, CT													
PM-10	SECOND MAX 24-HOUR	NS	3	—	—	64	64	75	63	52	52	55	56
	WEIGHTED ANNUAL MEAN	NS	3	—	—	31	31	29	23	23	25	23	23
SO ₂	ARITHMETIC MEAN	DOWN	1	0.008	0.009	0.010	0.010	0.010	0.009	0.007	0.006	0.006	0.005
	SECOND MAX 24-HOUR	DOWN	1	0.039	0.038	0.055	0.048	0.042	0.038	0.029	0.021	0.030	0.019
WEST PALM BEACH-BOCA RATON, FL													
CO	SECOND MAX 8-HOUR	DOWN	1	3.8	3.8	4.0	3.7	2.7	3.1	3.7	3.1	2.8	2.8
NO ₂	ARITHMETIC MEAN	NS	1	0.012	0.012	0.013	0.013	0.014	0.012	0.011	0.013	0.012	0.012
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.09	0.09	0.10	0.11	0.09	0.07	0.07	0.11	0.08	0.08
PM-10	SECOND MAX 24-HOUR	NS	2	—	—	33	33	33	33	47	43	56	36
	WEIGHTED ANNUAL MEAN	NS	2	—	—	19	19	19	18	20	19	18	18
SO ₂	ARITHMETIC MEAN	NS	1	0.001	0.001	0.001	0.003	0.002	0.002	0.003	0.004	0.002	0.002
	SECOND MAX 24-HOUR	UP	1	0.004	0.004	0.004	0.008	0.008	0.011	0.010	0.028	0.016	0.019
WHEELING, WV-OH													
CO	SECOND MAX 8-HOUR	NS	1	7.3	6.0	4.0	5.2	7.1	5.6	5.6	4.1	4.6	5.0
OZONE	SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.12	0.12	0.11	0.11	0.11	0.10	0.11	0.10	0.10

Note: NS = Not Significant (no significant upward or downward trend).

Table A-17. *Metropolitan Statistical Area Air Quality Trends, 1986–1995 (continued)*

Metropolitan Statistical Area		Trend	#Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
PM-10		SECOND MAX 24-HOUR	DOWN	2	—	—	81	81	77	67	66	73	63
WEIGHTED ANNUAL MEAN		DOWN	2	—	—	34	34	30	31	30	29	28	28
SO2		ARITHMETIC MEAN	DOWN	3	0.020	0.019	0.021	0.021	0.020	0.020	0.018	0.018	0.015
SECOND MAX 24-HOUR		NS	3	0.067	0.069	0.072	0.065	0.064	0.073	0.077	0.076	0.065	0.055
WICHITA FALLS, TX													
PM-10		SECOND MAX 24-HOUR	NS	1	—	—	56	56	56	55	52	62	73
WEIGHTED ANNUAL MEAN		DOWN	1	—	—	27	27	27	27	23	26	27	20
WICHITA, KS													
CO		SECOND MAX 8-HOUR	DOWN	3	8.0	7.5	7.0	7.9	5.9	5.9	5.6	5.0	4.9
LEAD		MAX QUARTERLY MEAN	DOWN	5	0.09	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01
OZONE		SECOND DAILY MAX 1-HOUR	NS	2	0.09	0.08	0.10	0.07	0.10	0.09	0.08	0.08	0.09
PM-10		SECOND MAX 24-HOUR	NS	4	—	—	61	61	63	68	65	83	64
WEIGHTED ANNUAL MEAN		NS	4	—	—	30	30	28	31	32	31	26	27
WILLIAMSPORT, PA													
OZONE		SECOND DAILY MAX 1-HOUR	NS	1	0.09	0.09	0.12	0.08	0.09	0.10	0.09	0.09	0.08
PM-10		SECOND MAX 24-HOUR	NS	1	—	—	62	62	60	67	42	58	61
WEIGHTED ANNUAL MEAN		NS	1	—	—	29	29	26	31	24	24	28	28
SO2		ARITHMETIC MEAN	DOWN	1	0.007	0.006	0.009	0.007	0.006	0.007	0.007	0.006	0.006
SECOND MAX 24-HOUR		NS	1	0.044	0.026	0.035	0.042	0.025	0.026	0.029	0.025	0.042	0.027
WILMINGTON-NEWARK, DE-MD													
CO		SECOND MAX 8-HOUR	NS	1	5.9	4.9	5.3	4.5	5.4	4.0	4.1	3.8	4.3
OZONE		SECOND DAILY MAX 1-HOUR	NS	2	0.13	0.15	0.19	0.13	0.13	0.13	0.12	0.13	0.12
PM-10		SECOND MAX 24-HOUR	NS	1	—	—	84	84	91	65	52	67	82
WEIGHTED ANNUAL MEAN		NS	1	—	—	42	42	37	33	28	29	38	37
SO2		ARITHMETIC MEAN	DOWN	3	0.015	0.014	0.015	0.015	0.013	0.012	0.012	0.012	0.010
SECOND MAX 24-HOUR		DOWN	3	0.045	0.044	0.053	0.048	0.043	0.034	0.041	0.036	0.038	0.033
WORCESTER, MA-CT													
CO		SECOND MAX 8-HOUR	NS	1	8.6	7.1	5.6	7.9	6.0	7.2	8.0	6.1	5.9
NO2		ARITHMETIC MEAN	DOWN	1	0.034	0.034	0.029	0.026	0.022	0.023	0.024	0.028	0.025
PM-10		SECOND MAX 24-HOUR	DOWN	1	—	—	53	53	49	47	37	41	44
WEIGHTED ANNUAL MEAN		NS	1	—	—	25	25	23	21	18	19	20	19
SO2		ARITHMETIC MEAN	DOWN	1	0.009	0.009	0.009	0.010	0.008	0.009	0.007	0.007	0.008
SECOND MAX 24-HOUR		DOWN	1	0.039	0.039	0.042	0.040	0.034	0.029	0.033	0.026	0.024	0.023
YAKIMA, WA													
CO		SECOND MAX 8-HOUR	DOWN	1	11.3	10.9	8.9	8.7	7.4	9.0	8.8	7.9	8.0
PM-10		SECOND MAX 24-HOUR	NS	2	—	—	89	89	89	170	94	90	85
WEIGHTED ANNUAL MEAN		NS	2	—	—	33	33	33	40	32	35	29	24
YORK, PA													
CO		SECOND MAX 8-HOUR	DOWN	1	5.2	4.8	4.2	4.6	4.4	3.7	3.6	3.3	3.9
NO2		ARITHMETIC MEAN	DOWN	1	0.024	0.025	0.023	0.022	0.022	0.021	0.020	0.022	0.024
OZONE		SECOND DAILY MAX 1-HOUR	NS	1	0.10	0.12	0.14	0.10	0.12	0.11	0.10	0.11	0.12
PM-10		SECOND MAX 24-HOUR	NS	1	—	—	57	57	63	69	47	77	80
WEIGHTED ANNUAL MEAN		NS	1	—	—	31	31	30	32	27	31	32	30
SO2		ARITHMETIC MEAN	NS	1	0.009	0.008	0.007	0.007	0.007	0.007	0.007	0.008	0.009
SECOND MAX 24-HOUR		NS	1	0.035	0.032	0.029	0.035	0.023	0.020	0.034	0.032	0.041	0.019
YOUNGSTOWN-WARREN, OH													
OZONE		SECOND DAILY MAX 1-HOUR	DOWN	1	0.11	0.11	0.12	0.11	0.10	0.12	0.10	0.10	0.11
PM-10		SECOND MAX 24-HOUR	NS	6	—	—	86	86	78	82	77	74	78
WEIGHTED ANNUAL MEAN		DOWN	6	—	—	36	36	31	34	31	30	31	30
SO2		ARITHMETIC MEAN	NS	2	0.014	0.012	0.014	0.016	0.016	0.016	0.013	0.011	0.011
SECOND MAX 24-HOUR		NS	2	0.062	0.057	0.077	0.043	0.053	0.048	0.056	0.063	0.051	0.038
YUBA CITY, CA													
OZONE		SECOND DAILY MAX 1-HOUR	NS	1	0.12	0.11	0.13	0.09	0.11	0.10	0.11	0.13	0.09
PM-10		SECOND MAX 24-HOUR	NS	1	—	—	88	88	88	95	75	69	81
WEIGHTED ANNUAL MEAN		DOWN	1	—	—	39	39	39	39	34	33	34	33

Note: NS = Not Significant (no significant upward or downward trend).

Table A-18. Number of Days with PSI Values Greater Than 100 at Trend Sites, 1986–1995, and All Sites in 1995

Metropolitan Statistical Area	# of Trend Sites											Total # of Sites	PSI > 100 1995
		1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
AKRON, OH	8	1	5	17	4	2	2	1	0	0	1	7	1
ALBANY-SCHENECTADY-TROY, NY	6	0	0	3	0	0	0	0	0	1	0	14	0
ALBUQUERQUE, NM	20	28	26	8	10	7	5	0	1	1	2	26	2
ALLENTOWN-BETHLEHEM-EASTON, PA	9	3	5	16	0	0	3	0	0	1	0	11	0
ATLANTA, GA	8	18	27	21	3	17	6	5	17	4	19	15	23
AUSTIN-SAN MARCOS, TX	4	0	0	2	1	0	1	0	0	1	0	5	0
BAKERSFIELD, CA	9	54	70	91	56	48	49	16	49	45	45	21	50
BALTIMORE, MD	15	23	28	43	9	12	20	5	14	17	14	29	17
BATON ROUGE, LA	6	6	10	10	9	18	6	2	3	2	7	14	12
BERGEN-PASSAIC, NJ	8	5	14	19	4	4	3	0	0	0	4	9	4
BIRMINGHAM, AL	17	7	11	16	3	5	0	2	5	0	12	17	15
BOSTON, MA-NH	24	2	5	15	4	1	3	1	3	1	1	29	2
BUFFALO-NIAGARA FALLS, NY	21	1	4	18	1	2	0	0	0	0	0	22	0
CHARLESTON-NORTH CHARLESTON, SC	9	2	0	0	0	0	1	1	0	0	0	9	0
CHARLOTTE-GASTONIA-ROCK HILL, NC-SC	8	12	10	21	3	5	2	0	4	0	1	29	3
CHICAGO, IL	42	8	17	23	4	3	8	7	1	8	4	60	5
CINCINNATI, OH-KY-IN	21	7	11	24	3	6	7	0	1	4	7	24	7
CLEVELAND-LORAIN-ELYRIA, OH	24	2	6	21	4	2	3	2	2	4	4	39	5
COLUMBUS, OH	9	1	1	4	0	1	3	1	0	0	1	12	2
DALLAS, TX	9	9	13	14	7	8	1	3	5	1	13	23	17
DAYTON-SPRINGFIELD, OH	11	2	3	17	3	1	1	0	3	2	2	12	2
DENVER, CO	21	49	37	19	11	9	7	7	3	2	2	35	3
DETROIT, MI	26	5	9	17	10	3	8	1	2	8	11	35	11
EL PASO, TX	17	43	32	16	33	27	13	17	10	10	4	19	6
FORT LAUDERDALE, FL	6	0	0	3	2	0	0	0	0	0	1	19	1
FORT WORTH-ARLINGTON, TX	8	10	4	11	8	5	9	2	1	8	6	8	6
FRESNO, CA	8	38	49	29	47	29	33	27	28	11	19	17	29
GARY, IN	17	8	8	13	1	3	3	2	0	1	4	26	9
GRAND RAPIDS-MUSKEGON-HOLLAND, MI	6	2	5	10	3	2	2	0	1	1	1	9	5
GREENSBORO-WINSTON-SALEM-HIGH POINT, NC	10	3	1	14	0	2	0	0	2	1	0	22	1
GREENVILLE-SPARTANBURG-ANDERSON, SC	2	0	0	8	0	0	0	1	1	0	0	8	2
HARRISBURG-LEBANON-CARLISLE, PA	8	0	5	13	0	2	0	0	1	2	0	8	0
HARTFORD, CT	14	7	20	27	11	7	14	9	9	10	9	17	9
HONOLULU, HI	4	0	0	0	0	0	0	0	0	0	0	13	0
HOUSTON, TX	29	55	67	61	41	59	42	30	26	29	54	34	57
INDIANAPOLIS, IN	27	0	3	9	2	1	1	1	0	2	2	35	2
JACKSONVILLE, FL	14	0	2	2	0	1	0	0	1	0	2	19	2
JERSEY CITY, NJ	8	8	12	18	2	7	8	1	5	1	2	10	4
KANSAS CITY, MO-KS	23	4	6	4	2	2	1	1	2	0	6	28	6
KNOXVILLE, TN	11	0	0	8	0	5	0	0	2	0	3	18	5
LAS VEGAS, NV-AZ	9	40	7	31	46	22	15	5	8	12	7	18	11
LITTLE ROCK-NORTH LITTLE ROCK, AR	7	1	1	0	0	1	0	0	0	0	1	8	1
LOS ANGELES-LONG BEACH, CA	38	226	201	239	226	180	184	185	146	136	103	41	106
LOUISVILLE, KY-IN	17	9	2	20	3	4	4	0	6	4	4	27	6
MEMPHIS, TN-AR-MS	10	13	10	8	4	6	1	1	4	0	7	15	8
MIAMI, FL	8	4	4	5	4	1	2	0	0	0	0	12	0
MIDDLESEX-SOMERSET-HUNTERDON, NJ	6	7	10	24	8	12	8	3	1	5	1	8	5
MILWAUKEE-WAUKESHA, WI	17	10	13	19	8	2	10	0	0	4	5	21	6
MINNEAPOLIS-ST. PAUL, MN-WI	15	14	14	3	7	3	2	1	0	5	3	28	3

Table A-18. Number of Days with PSI Values Greater Than 100 at Trend Sites, 1986–1995, and All Sites in 1995 (continued)

Metropolitan Statistical Area	# of Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Total # of Sites	PSI > 100 1995
MONMOUTH-OCEAN, NJ	2	0	0	0	0	0	0	0	0	0	0	4	7
NASHVILLE, TN	18	9	4	23	4	9	1	1	3	3	2	26	4
NASSAU-SUFFOLK, NY	4	9	15	10	6	7	13	2	4	3	5	8	6
NEW HAVEN-MERIDEN, CT	12	7	20	16	7	10	22	3	11	8	8	12	8
NEW ORLEANS, LA	8	3	5	2	1	0	0	1	2	2	0	14	4
NEW YORK, NY	25	58	44	46	18	18	22	4	6	8	8	37	10
NEWARK, NJ	13	20	24	33	5	8	11	5	2	6	6	16	6
NORFOLK-VA BEACH-NEWPORT NEWS, VA-NC	9	1	5	8	0	0	1	2	4	2	0	15	1
OAKLAND, CA	22	8	14	10	3	5	6	2	3	3	12	29	12
OKLAHOMA CITY, OK	13	4	6	0	2	2	0	0	0	2	4	14	4
OMAHA, NE-IA	9	1	0	1	1	0	0	0	1	1	1	13	1
ORANGE COUNTY, CA	11	66	58	65	66	48	42	43	25	14	6	12	6
ORLANDO, FL	8	1	0	0	0	2	0	0	0	0	0	16	0
PHILADELPHIA, PA-NJ	38	22	35	35	19	14	25	3	21	6	14	51	22
PHOENIX-MESA, AZ	24	88	42	27	30	9	4	10	7	9	13	29	18
PITTSBURGH, PA	36	5	10	20	9	11	4	2	5	2	7	51	13
PONCE, PR	1	.	.	0	0	0	0	0	0	0	0	1	0
PORTLAND-VANCOUVER, OR-WA	12	6	11	8	6	8	9	2	0	2	0	18	0
PROVIDENCE-FALL RIVER-WARWICK, RI-MA	13	7	10	9	2	7	11	2	1	2	5	20	5
RALEIGH-DURHAM-CHAPEL HILL, NC	3	0	2	12	0	0	0	0	0	0	0	22	0
RICHMOND-PETERSBURG, VA	10	1	8	20	1	3	4	3	9	1	4	11	4
RIVERSIDE-SAN BERNARDINO, CA	36	170	171	181	178	144	144	155	142	122	110	54	114
ROCHESTER, NY	9	1	1	5	0	1	0	0	0	0	0	9	0
SACRAMENTO, CA	17	69	52	73	60	43	44	21	10	11	16	36	18
ST. LOUIS, MO-IL	53	13	17	20	13	8	6	3	6	12	14	62	15
SALT LAKE CITY-OGDEN, UT	18	26	7	11	15	2	19	10	3	10	1	24	2
SAN ANTONIO, TX	7	2	2	2	0	1	0	0	0	1	3	7	3
SAN DIEGO, CA	17	70	61	84	90	60	39	37	17	16	14	27	15
SAN FRANCISCO, CA	11	4	1	2	1	1	0	0	0	0	1	11	1
SAN JOSE, CA	9	17	18	16	21	11	11	2	2	0	5	15	6
SAN JUAN-BAYAMON, PR	10	0	2	0	0	0	0	0	0	0	0	20	0
SCRANTON-WILKES-BARRE-HAZLETON, PA	11	0	1	12	1	0	2	0	0	0	0	11	0
SEATTLE-BELLEVUE-EVERETT, WA	14	13	14	20	8	5	2	1	0	0	0	21	2
SPRINGFIELD, MA	16	5	3	19	5	4	5	4	7	3	4	13	4
SYRACUSE, NY	4	9	3	1	2	1	2	0	0	0	0	9	0
TACOMA, WA	8	4	9	9	4	3	1	1	0	1	0	8	0
TAMPA-ST. PETERSBURG-CLEARWATER, FL	20	5	5	1	1	3	0	1	0	0	1	34	1
TOLEDO, OH	5	2	2	6	1	0	1	0	3	1	0	8	0
TUSCON, AZ	18	2	4	6	2	0	0	0	0	0	0	30	0
TULSA, OK	12	4	2	2	2	3	2	1	1	2	4	13	4
VENTURA, CA	14	84	54	83	59	36	49	25	16	24	30	16	31
WASHINGTON, DC-MD-VA-WV	37	12	26	37	8	5	17	2	13	7	8	53	10
WEST PALM BEACH-BOCA RATON, FL	5	0	0	0	0	0	0	0	0	0	0	10	0
WILMINGTON-NEWARK, DE-MD	7	9	16	31	7	5	6	2	3	1	6	13	9
YOUNGSTOWN-WARREN, OH	9	0	0	5	1	0	1	1	0	0	1	15	1

Table A-19. (*Ozone Only*) Number of Days with PSI Values Greater Than 100 at Trend Sites, 1986–1995, and All Sites in 1995

Metropolitan Statistical Area	# of Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Total # of Sites	PSI > 100 1995
AKRON, OH	2	1	5	17	4	2	2	1	0	0	1	2	1
ALBANY-SCHENECTADY-TROY, NY	2	0	0	3	0	0	0	0	0	1	0	3	0
ALBUQUERQUE, NM	6	0	1	0	0	0	0	0	0	1	0	9	0
ALLENTOWN-BETHLEHEM-EASTON, PA	3	3	5	15	0	0	3	0	0	0	0	3	0
ATLANTA, GA	3	18	27	21	3	17	6	5	17	4	19	6	23
AUSTIN-SAN MARCOS, TX	2	0	0	2	1	0	1	0	0	1	0	2	0
BAKERSFIELD, CA	4	51	69	84	51	41	42	15	49	43	44	9	48
BALTIMORE, MD	6	18	26	40	8	11	20	5	14	16	14	9	17
BATON ROUGE, LA	3	6	10	10	9	18	6	2	3	2	7	8	12
BERGEN-PASSAIC, NJ	1	2	13	18	2	3	3	0	0	0	4	1	4
BIRMINGHAM, AL	5	5	7	15	1	5	0	2	5	0	12	6	15
BOSTON, MA-NH	3	2	4	15	4	1	3	1	3	1	1	6	2
BUFFALO-NIAGARA FALLS, NY	2	0	4	18	1	1	0	0	0	0	0	2	0
CHARLESTON-NORTH CHARLESTON, SC	3	2	0	0	0	0	0	1	0	0	0	3	0
CHARLOTTE-GASTONIA-ROCK HILL, NC-SC	3	10	10	21	2	3	2	0	4	0	1	7	3
CHICAGO, IL	15	6	16	22	3	0	7	3	0	2	4	22	5
CINCINNATI, OH-KY-IN	7	7	11	24	3	6	7	0	1	4	7	8	7
CLEVELAND-LORAIN-ELYRIA, OH	6	2	6	21	1	2	3	1	1	2	1	8	2
COLUMBUS, OH	2	1	1	4	0	1	3	0	0	0	1	4	2
DALLAS, TX	3	9	13	14	7	8	1	3	5	1	13	6	17
DAYTON-SPRINGFIELD, OH	3	2	2	17	3	1	1	0	3	2	2	4	2
DENVER, CO	5	3	5	4	0	2	0	0	0	0	0	9	1
DETROIT, MI	7	3	6	16	10	3	8	0	2	6	9	8	9
EL PASO, TX	3	19	17	6	13	9	7	7	4	6	3	4	4
FORT LAUDERDALE, FL	2	0	0	3	2	0	0	0	0	0	1	3	1
FORT WORTH-ARLINGTON, TX	2	10	4	11	8	5	9	2	1	8	6	2	6
FRESNO, CA	3	37	49	28	45	22	32	27	27	11	19	7	28
GARY, IN	4	5	6	13	0	3	3	2	0	1	4	5	4
GRAND RAPIDS-MUSKEGON-HOLLAND, MI	2	2	5	10	3	2	2	0	1	1	1	5	5
GREENSBORO—WINSTON-SALEM—HIGH POINT, NC	4	3	1	14	0	2	0	0	2	1	0	5	1
GREENVILLE-SPARTANBURG-ANDERSON, SC	2	0	0	8	0	0	0	1	1	0	0	4	2
HARRISBURG-LEBANON-CARLISLE, PA	3	0	5	13	0	2	0	0	1	2	0	3	0
HARTFORD, CT	3	2	10	24	9	7	12	8	9	10	7	3	7
HONOLULU, HI	1	0	0	0	0	0	0	0	0	0	0	1	0
HOUSTON, TX	10	53	66	61	41	59	42	30	26	29	54	12	57
INDIANAPOLIS, IN	5	0	3	9	2	1	0	0	0	2	2	7	2
JACKSONVILLE, FL	2	0	2	2	0	0	0	0	1	0	2	3	2
JERSEY CITY, NJ	1	4	12	18	2	7	8	1	5	1	2	1	2
KANSAS CITY, MO-KS	5	3	5	4	1	2	1	1	1	0	6	6	6
KNOXVILLE, TN	2	0	0	8	0	5	0	0	2	0	3	8	5
LAS VEGAS, NV-AZ	3	0	0	3	1	1	0	0	0	0	0	4	0
LITTLE ROCK-NORTH LITTLE ROCK, AR	2	1	1	0	0	1	0	0	0	0	1	2	1
LOS ANGELES-LONG BEACH, CA	14	174	160	178	154	132	134	143	116	107	84	15	87
LOUISVILLE, KY-IN	4	9	2	20	1	4	4	0	6	4	4	7	6
MEMPHIS, TN-AR-MS	3	6	5	8	2	4	0	0	1	0	7	4	8
MIAMI, FL	3	4	4	5	3	1	2	0	0	0	0	4	0
MIDDLESEX-SOMERSET-HUNTERDON, NJ	2	7	10	24	8	12	8	3	1	5	1	3	5
MILWAUKEE-WAUKESHA, WI	6	10	13	19	8	2	10	0	0	4	5	9	6
MINNEAPOLIS-ST. PAUL, MN-WI	3	1	1	1	0	0	0	0	0	0	0	5	0

Table A-19. (Ozone Only) Number of Days with PSI Values Greater Than 100 at Trend Sites, 1986–1995, and All Sites in 1995 (continued)

Metropolitan Statistical Area	# of Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Total # of Sites	PSI > 100 1995
MONMOUTH-OCEAN, NJ	.	0	0	0	0	0	0	0	0	0	0	2	7
NASHVILLE, TN	6	3	3	23	2	8	1	1	2	3	2	9	4
NASSAU-SUFFOLK, NY	1	8	11	8	6	7	13	2	4	3	5	2	6
NEW HAVEN-MERIDEN, CT	2	7	17	16	7	8	20	3	7	6	8	2	8
NEW ORLEANS, LA	4	2	5	2	1	0	0	1	2	2	0	6	4
NEW YORK, NY	4	8	16	32	12	13	19	3	6	8	7	8	9
NEWARK, NJ	3	12	23	30	4	7	8	5	2	4	6	3	6
NORFOLK-VA BEACH-NEWPORT NEWS, VA-NC	2	1	3	7	0	0	1	2	4	2	0	3	1
OAKLAND, CA	7	8	14	10	3	5	5	2	3	3	12	9	12
OKLAHOMA CITY, OK	4	0	1	0	0	2	0	0	0	0	3	4	3
OMAHA, NE-IA	3	0	0	0	0	0	0	0	0	0	0	3	0
ORANGE COUNTY, CA	4	63	54	55	48	44	42	41	25	14	5	4	5
ORLANDO, FL	2	1	0	0	0	2	0	0	0	0	0	4	0
PHILADELPHIA, PA-NJ	8	20	34	35	17	14	25	3	21	5	14	10	14
PHOENIX-MESA, AZ	9	0	2	4	0	3	0	5	5	4	7	10	7
PITTSBURGH, PA	6	1	5	16	2	0	2	0	3	2	6	11	10
PONCE, PR	.	.	.	0	0	0	0	0	0	0	0	.	0
PORTLAND-VANCOUVER, OR-WA	3	4	2	2	0	4	1	2	0	0	0	4	0
PROVIDENCE-FALL RIVER-WARWICK, RI-MA	2	6	10	8	2	7	11	2	1	2	5	3	5
RALEIGH-DURHAM-CHAPEL HILL, NC	1	0	2	12	0	0	0	0	0	0	0	7	0
RICHMOND-PETERSBURG, VA	4	1	7	20	1	3	4	3	9	1	4	4	4
RIVERSIDE-SAN BERNARDINO, CA	14	165	168	179	169	137	141	153	141	121	104	20	107
ROCHESTER, NY	2	1	1	5	0	1	0	0	0	0	0	2	0
SACRAMENTO, CA	5	31	30	49	20	17	29	20	8	11	16	12	18
ST. LOUIS, MO-IL	16	11	14	20	7	8	6	3	6	11	14	18	15
SALT LAKE CITY-OGDEN, UT	4	9	2	8	7	2	1	0	0	1	1	6	2
SAN ANTONIO, TX	2	1	2	2	0	1	0	0	0	1	3	2	3
SAN DIEGO, CA	7	67	60	80	81	60	39	37	17	16	14	9	15
SAN FRANCISCO, CA	3	0	1	0	0	0	0	0	0	0	1	3	1
SAN JOSE, CA	4	9	18	11	6	2	3	2	2	0	5	7	6
SAN JUAN-BAYAMON, PR	.	0	0	0	0	0	0	0	0	0	0	.	0
SCRANTON-WILKES-BARRE-HAZLETON, PA	4	0	1	12	1	0	2	0	0	0	0	4	0
SEATTLE-BELLEVUE-EVERETT, WA	1	1	0	1	0	2	0	0	0	0	0	3	0
SPRINGFIELD, MA	4	3	2	19	5	4	5	3	7	3	3	4	3
SYRACUSE, NY	.	0	0	0	0	0	0	0	0	0	0	2	0
TACOMA, WA	1	0	0	0	0	2	0	0	0	1	0	1	0
TAMPA-ST. PETERSBURG-CLEARWATER, FL	5	5	5	0	1	3	0	1	0	0	1	7	1
TOLEDO, OH	2	2	2	6	1	0	1	0	3	1	0	4	0
TUSCON, AZ	5	0	0	0	0	0	0	0	0	0	0	7	0
TULSA, OK	3	4	1	2	2	3	2	0	1	2	4	3	4
VENTURA, CA	6	83	54	83	59	36	49	25	16	24	30	7	31
WASHINGTON, DC-MD-VA-WV	13	10	21	35	5	5	16	2	13	7	8	17	10
WEST PALM BEACH-BOCA RATON, FL	1	0	0	0	0	0	0	0	0	0	0	2	0
WILMINGTON-NEWARK, DE-MD	2	9	16	31	7	5	6	2	3	1	6	4	9
YOUNGSTOWN-WARREN, OH	1	0	0	5	1	0	1	0	0	0	1	3	1

Table A-20. Total Number of Days with PSI Values Greater than 100 at Trend Sites—Summary, 1986–1995

Metropolitan Statistical Area	# of Trend Sites	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Total # of Sites	PSI > 100 1995
All Pollutants													
All Trend Sites	1,332	1,584	1,572	2,005	1,266	1,034	1,017	691	694	629	707	1,923	838
LOS ANGELES-LONG BEACH, CA	38	226	201	239	226	180	184	185	146	136	103	41	106
RIVERSIDE-SAN BERNARDINO, CA	36	170	171	181	178	144	144	155	142	122	110	54	114
All Except LA and Riverside	1,258	1,188	1,200	1,585	862	710	689	351	406	371	494	1,828	618
Ozone Only													
All Trend Sites	370	1,057	1,229	1,719	893	823	845	587	623	537	647	532	746
LOS ANGELES-LONG BEACH, CA	14	174	160	178	154	132	134	143	116	107	84	15	87
RIVERSIDE-SAN BERNARDINO, CA	14	165	168	179	169	137	141	153	141	121	104	20	107
All Except LA and Riverside	342	718	901	1,362	570	554	570	291	366	309	459	497	522

Table A-21. *Emission Reductions for Promulgated 2- and 4-Year MACT Standards*

Source Category	Dates Promulgation*	Dates Compliance	# of Facilities	Emissions Reduct., Mg/Yr	HAPs Controlled Pollutants
Chromium Electroplating	11/94	1/96	5,000	157	Chromium
Coke Ovens	10/93	11/93	75 Batt.	1,305 if MACT 1,500 if LAER	Coke Oven Emissions
Commercial Sterilizers	11/94	12/97	75	1,000	Ethylene Oxide
Degreasers	11/94	12/97	25,000	77,000	Methylene Chloride, TCE, Perchloroethylene, 111-TCA, Carbon Tetrachloride, Chloroform
Industrial Cooling Towers	7/94	3/96		25	Chromium
Magnetic Tape	11/94	12/96	14	2,080	MEK, MIBK, Toluene, Xylene, Ethylbenzene
Stage I Gasoline Marketing	11/94	12/97	260	2,300	Hexane, Toluene, Benzene, others
Perchloroethylene Dry Cleaning	9/93	12/93	30,000	35,600	Perchloroethylene
Hazardous Organic NESHAP (HON)	2/94	10/94	370	460,000	Many CAAA Section 112 HAPs
Aerospace Industry	7/95	9/98	3,000	164,100	Chromium, Toluene, MEK, TCE, III-TCA, MIBK, many others
Marine Tank Vessels	7/95	99	28	4,500	Benzene, Hexane, Toluene
Petroleum Refineries	7/95	8/98	190	48,000	Benzene, Toluene, Xylene, Ethylbenzene, Hexane
Polymers & Resins II	2/95	3/98	19	97	Epichlorohydrin
Secondary Lead Smelters	5/95	6/97	23	1,300	Lead & Arsenic Compounds, 1,3-Butadiene
Wood Furniture	11/95	11/97	750	29,800	Ethylene Glycol, Formaldehyde, Methanol, Toluene, Xylene, Others
Shipbuliding	11/95	12/97	35	318	MEK, MIBK, Toluene, Xylene, Ethyl Benzene, Others
Off-Site Waste	5/96	7/99	750	43,000	Methlyene Chloride, TCE, MEK, MIBK, Toluene, Others
Printing and Publishing	5/96	5/99	200	6,700	Ethylene Glycol, Ethly Benzene, Methanol, Toluene, Xylene, Ethyl Gylcol Monobutyl Ether
Polymers and Resins IV	5/96	9/99		10,420	Methanol, 1-3 Butadiene, Styrene, Others
Polymers and Resins I	7/96	9/99		6,400	Toluene, Hexane, 1-3 Butadiene Styrene, Others

* Date regulation signed by the Administrator.